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STIC Search Report

EIC 2600

STIC Database Tracking Number: 127514

TO: David Jones
Location: CPK2 3C16
Art Unit: 2622
Friday, December 10, 2004

Case Serial Number: 09/816445

From: Pamela Reynolds
Location: EIC 2600
PK2-3C03
Phone: 306-0255

Pamela.Reynolds@uspto.gov

Search Notes

Dear David Jones

Please find attached the search results for 09816445. I used the search strategy I emailed to you to edit, which you did. I searched the standard Dialog files.

If you would like a re-focus please let me know.

Thank you.



File 2:INSPEC 1969-2004/Nov W4
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File 6:NTIS 1964-2004/Nov W4
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File 8:Ei Compendex(R) 1970-2004/Nov W4
(c) 2004 Elsevier Eng. Info. Inc.
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Dec W1
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File 65:Inside Conferences 1993-2004/Dec W1
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File 95:TEME-Technology & Management 1989-2004/Jun W1
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File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Oct
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File 144:Pascal 1973-2004/Nov W4
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File 239:Mathsci 1940-2004/Jan
(c) 2004 American Mathematical Society
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(c) 2002 The Gale Group
File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning
File 483:Newspaper Abs Daily 1986-2004/Dec 09
(c) 2004 ProQuest Info&Learning
File 248:PIRA 1975-2004/Nov W4
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Set	Items	Description
S1	7353650	DOCUMENT?? OR DATA
S2	342633	PRINT??
S3	1364573	TEXT OR WORD?? OR CHARACTER??
S4	4168880	IMAG? OR PICTURE?? OR PHOTO OR PHOTOGRAPH?? OR GRAPHIC? OR JPEG OR BITMAP
S5	14507	(SEPERAT? OR DIVID? OR PARTITION? OR SECTION? OR CATEGOR?) AND S3 AND S4
S6	19005	LOW() RESOLUTION?
S7	416129	HIGH() RESOLUTION?
S8	203020	MASK?
S9	18390	CANON
S10	11	(OPEN OR CLOSED) (3N) GRAPHICAL (3N) (FUNCTION? OR INSTRUCTION? OR OPERATION??)
S11	3558	AU=(MOREAU, J? OR AMARGER, S? OR MOREAU J? OR AMARGER S?)
S12	0	S10 AND (S2 OR SCAN????)
S13	2630	S1 AND S3 AND S4 AND RESOLUTION?
S14	8	S5 AND S6 AND S7
S15	0	S13 AND A14
S16	0	S14 AND S8
S17	2	S14 NOT PY=>2001
S18	2	RD S17 (unique items)
S19	51	S13 AND MASK?
S20	20	S19 AND (PRINT??? OR SCAN????)
S21	20	S20 NOT S17
S22	12	S21 NOT PY=>2001
S23	10	RD S22 (unique items)

S24 0 S11 AND S6 AND S7
 S25 350 PAGE(3N) (SEGMENT? OR SEPERAT? OR DIVID? OR PARTITION? OR S-
 ECTION? OR CATEGOR?) AND S3 AND S4
 S26 1 S25 AND S6 AND S7
 S27 0 S26 NOT (S20 OR S17)
 S28 82 S25 AND PRINT???
 S29 0 S28 AND S11
 S30 0 S28 AND GRAPHICAL(3N) (FUNCTION? OR INSTRUCTION? OR OPERATI-
 ON??)
 S31 7 S28 AND S8
 S32 7 S31 NOT (S20 OR S17)
 S33 7 S32 NOT PY=>2001
 S34 2 RD S33 (unique items)
 S35 73 S3 AND S7 AND S8
 S36 94 S4 AND S6 AND S8
 S37 7 S35 AND PRINT???
 S38 5 S37 NOT (S31 OR S20 OR S17)
 S39 3 S36 AND PRINT???
 S40 3 S39 NOT (S37 OR S31 OR S20 OR S17)
 S41 11 S10 NOT (S39 OR S37 OR S31 OR S20 OR S17)
 S42 10 S41 NOT PY=>2001
 S43 8 RD S42 (unique items)
 S44 4 S43 NOT (EYE OR OXYGEN OR DRILLING OR MINING OR PLANT OR S-
 PECULAR)
 S45 589 S4 AND (USING OR APPLY?) (3N) S6
 S46 418 S3 AND (USING OR APPLY?) (3N) S7
 S47 2 (S45 OR S46) AND MASK???
 S48 1 S47 NOT (S10 OR S39 OR S37 OR S31 OR S20 OR S17)
 S49 0 S48 NOT GALAXY

18/3,K/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02125521 INSPEC Abstract Number: C83039007, D83000982

Title: The versatile matrix (dot matrix printers)

Author(s): Sonsino, S.

Journal: Systems International vol.11, no.9 p.44-9

Publication Date: Sept. 1983 Country of Publication: UK

CODEN: SYIND8 ISSN: 0309-1171

Language: English

Subfile: C D

Abstract: Dot matrix printers are showing more versatility. High and low speed printing, low and **high resolution graphics**, daisy and plotter emulations all contribute to the success of matrix printers. The techniques for **character** generation fall into two **categories**: using ROMs/PROMs, or loadable RAMs. An interesting development is the addition of specialized control...

...Identifiers: **low resolution graphics** ; ...

... **high resolution graphics** ; ...

... **character** generation

18/3,K/2 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal
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14281981 PASCAL No.: 99-0487005

Structure analysis of low resolution fax cover pages

DAS'98 : document analysis systems : theory and practice : Nagano, 4-6

November 1998, selected papers

LIM Y K; KANG H J; AHN C; LEE S W

SEONG-WHAN LEE, ed; NAKANO Yasuaki, ed

Center for Artificial Vision Research, Korea University, Anam-dong, Seongbuk-ku, Seoul 136-701, Korea, Republic of

IAPR workshop, 3 (Nagano JPN) 1998-11-04

Journal: Lecture notes in computer science, 1999, 1655 99-113

Language: English

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Structure analysis of low resolution fax cover pages

... storage, retrieval and interpretation. A lot of work has been accomplished for page segmentation in **high resolution document images**. But conventional methods for page segmentation are not suitable for faxed document processing. The well-known difficulties in faxed document processing are concerned with **low resolution images** and non-standardized formats. In this paper, we propose an effective structure analysis method for **low resolution fax cover pages**, based on region segmentation and keyword recognition. The main advantages of the...

... capability of accommodating various types of fax cover pages and its fast processing speed. We **divide** fax cover pages into three regions - header, sender/recipient information and message - to easily identify...

English Descriptors: Document analysis; Document **image** processing;
Character recognition; **Image** restoration; **Image** segmentation;
Document structure

French Descriptors: Analyse documentaire; Traitement **image** document;
Reconnaissance caractere; Restauration **image** ; Segmentation **image** ;
Structure document

Spanish Descriptors: Analisis documental; Reconocimiento caracter;
Restauracion **imagen** ; Estructura de documento

?

23/3,K/1 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6741502 INSPEC Abstract Number: B2000-12-6135C-032, C2000-12-6130D-002

Title: Intelligent colour document image coding for WWW application

Author(s): Suhuai Luo; Seneviratne, S.

Author Affiliation: Telecommun. & Ind. Phys., CSIRO, Epping, NSW, Australia

Conference Title: Fifth International/National Biennial Conference on Digital Image Computing, Techniques, and Applications. DICTA99 p.181-5

Publisher: Curtin Univ, Perth, WA, Australia

Publication Date: 1999 Country of Publication: Australia 292 pp.

ISBN: 1 86342 838 0 Material Identity Number: XX-2000-00773

Conference Title: Conference Proceedings. DICTA'99. Digital Image Computing: Techniques and Applications

Conference Sponsor: Curtin Univ.; Australian Pattern Recognition Soc. (APRS); Int. Pattern Recognition Assoc. (IAPR); Murdoch Univ.

Conference Date: 7-8 Dec. 1999 Conference Location: Perth, WA, Australia

Language: English

Subfile: B C

Copyright 2000, IEE

Title: Intelligent colour document image coding for WWW application

Abstract: This paper introduces an intelligent colour document image coding algorithm. The algorithm is specifically designed for highly compressing a colour document image, which contains mixed text and pictures and is scanned at high resolution, down to the size of an average HTML page (about 64K bytes). It puts emphasis on faithfully reproducing the visual aspects of original document images, especially their text contents, at very high compression ratio. The algorithm first extracts characters from the colour image by using both geometrical and colour information. Then it represents the image with three components: text mask, text image and non-text image. The text mask is coded according to JBIG2 specifications. Both the text image and the non-text image are coded with a wavelet transform-based algorithm. Compared to other algorithms such as JPEG and a pure wavelet transform-based algorithm, the proposed algorithm yields much better performance.

...Descriptors: data compression...

... document image processing...

... image coding...

... image colour analysis...

... image representation...

... image resolution ; ...

... text analysis

Identifiers: intelligent image coding...

...colour image coding...

... document image coding...

... image resolution ; ...

... text contents...

... character extraction...

... image representation...

... text mask ; ...

... text image ; ...

...non- text image ;

23/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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6503888 INSPEC Abstract Number: B2000-03-6135C-132, C2000-03-1250M-113

Title: Color documents on the Web with DjVu

Author(s): Haffner, P.; LeCun, Y.; Bottou, L.; Howard, P.; Vincent, P.; Riemers, B.

Author Affiliation: AT&T Lab. Res., Red Bank, NJ, USA

Conference Title: Proceedings 1999 International Conference on Image Processing (Cat. 99CH36348) Part vol.1 p.239-43 vol.1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 1999 Country of Publication: USA 4
vol.(lxxix+676+977+952+449) pp.

ISBN: 0 7803 5467 2 Material Identity Number: XX-1998-03681

U.S. Copyright Clearance Center Code: 0 7803 5467 2/99/\$10.00

Conference Title: Proceedings of 6th International Conference on Image Processing (ICIP'99)

Conference Sponsor: IEEE Signal Process. Soc.; IEICE

Conference Date: 24-28 Oct. 1999 Conference Location: Kobe, Japan

Language: English

Subfile: B C

Copyright 2000, IEE

Title: Color documents on the Web with DjVu

Abstract: We present a new **image** compression technique called "DjVu" that is specifically geared towards the compression of **scanned documents** in color at high **resolution**. With DjVu, a magazine page in color at 300 dpi typically occupies between 40 KB and 80 KB, approximately 5 to 10 times better than **JPEG** for a similar level of readability. Using a combination of hidden Markov model techniques and MDL-driven heuristics, DjVu first classifies each pixel in the **image** as either foreground (**text**, drawings) or background (**pictures**, photos, paper texture). The pixel categories form a bitonal **image** which is compressed using a pattern matching technique that takes advantage of the similarities between **character** shapes. A progressive, wavelet-based compression technique, combined with a **masking** algorithm, is then used to compress the foreground and background **images** at lower **resolutions** while minimizing the number of bits spent on the pixels that are not visible in...

Descriptors: **data** compression...

... **image** coding

Identifiers: color documents ; ...
... image compression...
... scanned documents ; ...
... JPEG ; ...
... bitonal image ; ...
... masking algorithm

23/3,K/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
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4046845 INSPEC Abstract Number: B9201-6140C-147, C9201-1250-135

Title: Image analysis using threshold reduction
Author(s): Bloomberg, D.S.
Author Affiliation: Palo Alto Res. Center, Xerox Corp., CA, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.1568 p.38-52
Publication Date: 1991 **Country of Publication:** USA
CODEN: PSISDG **ISSN:** 0277-786X
U.S. Copyright Clearance Center Code: 0-8194-0696-1/91/\$4.00
Conference Title: Image Algebra and Morphological Image Processing II
Conference Sponsor: SPIE
Conference Date: 23-24 July 1991 **Conference Location:** San Diego, CA, USA
Language: English
Subfile: B C

Title: Image analysis using threshold reduction
...Abstract: is introduced, that is useful for performing efficient and controllable shape and texture transformations between resolution levels. In their most general form, the operations proceed in three steps: (a) convolve a binary image with a kernel of arbitrary size; (b) threshold the result; (c) subsample to produce the reduced image. Threshold reductions that use convolution filters and subsample tiles of equal size are optimized by...

... 4* threshold reduction, and lookup tables that efficiently implement column raster operations are provided. A mask-forming image analysis cycle of threshold reduction, augmented by morphology and followed by replicative expansion to full resolution, is described, and some general properties of the cycle are derived. A simple application to document image analysis, the extraction of halftone regions from scanned images that also contain text and line graphics, is illustrated.
Descriptors: document image processing...

... picture processing
...Identifiers: document image analysis

23/3,K/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC
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03393145 INSPEC Abstract Number: B89045062

Title: Compact disc- graphics from the sound disc

Author(s): Schild, W.

Journal: Funkschau no.4 p.52-4

Publication Date: 10 Feb. 1989 Country of Publication: West Germany

CODEN: FUSHA2 ISSN: 0016-2841

Language: German

Subfile: B

Title: Compact disc- graphics from the sound disc

Abstract: The American Warner New Media Corp. is to release 200 combined music/ **graphic** CDs by autumn 1989. These will comprise opera with original or translated **text** or sub-titles, spoken lectures with **graphics**, etc. The **graphics** are provided by a sub-code which occupies only 5% of the standard **data** block of 588 bit. This 14 bit **picture** is built-up from 288 lines, each of 192 pixels; matrix blocks, corresponding to **printer**'s founts, are made up by 6 horizontal and 12 vertical pixels. 16 colours are available. To **mask** poor **resolution**, a full **graphic** display is reduced by a coloured frame. Working with Warner, JVC have designed a processor...

Identifiers: music/ **graphic** CD...

... **resolution** ; ...

... **graphic** display

23/3,K/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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01053575 INSPEC Abstract Number: B77022281, C77010128

Title: A newly introduced 61 cm colour graphics display

Author(s): Bennett, M.R.; Plews, D.E.

Author Affiliation: Ferranti Ltd., Oldham, UK

Conference Title: International Conference on Displays for Man-Machine Systems p.1-5

Publisher: IEE, London, UK

Publication Date: 1977 Country of Publication: UK vii+141 pp.

ISBN: 0 85296 173 1

Conference Sponsor: IEE; Biological Engng. Soc.; et al

Conference Date: 4-7 April 1977 Conference Location: Lancaster, UK

Language: English

Subfile: B C

Title: A newly introduced 61 cm colour graphics display

...Abstract: are many applications for displays in information and control systems where a large amount of **data** is required to be displayed on a single cathode ray tube. This display was designed...

... such a need. The cursive technique of writing was chosen in preference to a TV **scan** because it offered a higher **resolution**. The ability to display parts of the **picture** in different colours helps to improve the legibility of complex diagrams. Current colour TV systems use a shadow **mask** tube with its inherent matrix of colour triads giving rise to a display with a relatively coarse **resolution** of approximately 650 triads per diameter. This limits the size of the **characters** to no more than 80 per line. The penetron tube does not suffer from this coarse structure and

full use may be made of the cursive writing technique. **Resolutions** of 1000 bits per diameter giving over 160 **characters** per line can be used.

Identifiers: colour **graphics** display...

23/3,K/6 (Item 1 from file: 6)

DIALOG(R) File 6:NTIS

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0594972 NTIS Accession Number: AD-835 775/8/XAB

Selective Photocopier

(Final rept. Oct 66-Feb 68)

Hemphill, K. ; Agliata, T. ; Townsend, S.

Xerox Corp Rochester N Y Information Systems Div

Corp. Source Codes: 403844

Report No.: RADC-TR-68-121

Jun 68 132p

Journal Announcement: GRAI7705

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NTIS Prices: PC A07/MF A01

... of the Selective Photocopier, an experimental device developed to determine the feasibility of preprocessing hardcopy **data** for input to **character** readers and composer- **printers** . The Selective Photocopier uses unique automatic **document** handling techniques and a novel electronic concept affording precise control of **masking** for recording **text** and **graphics** separately using operator discrimination. Specialized development was applied to the optical, **masking** , structure and **document** handling areas particularly with systems development in video tape recording and control utilizing state-of...

Descriptors: *Reading machines; * **Data** processing; * **Documents** ; Processing; Microfilm; Magnetic tape; **Graphics** ; Feasibility studies; Optical equipment; Flow charting; **Resolution** ; Automatic; Input output devices; **Data** storage systems

23/3,K/7 (Item 1 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci

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04985470 Genuine Article#: UX449 No. References: 57

Title: MATCHING 3-D ANATOMICAL SURFACES WITH NONRIGID DEFORMATIONS USING OCTREE-SPLINES

Author(s): SZELISKI R; LAVALLEE S

Corporate Source: MICROSOFT CORP,1 REDMOND WAY/REDMOND//WA/98052; FAC MED GRENoble,TIMC,IMAG/F-38706 LA TRONCHE//FRANCE/

Journal: INTERNATIONAL JOURNAL OF COMPUTER VISION, 1996, V18, N2 (MAY), P 171-186

ISSN: 0920-5691

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

...Abstract: two 3-D surfaces, such as those which describe anatomical structures in 3-D medical **images** . Although we match surfaces, we represent the deformation as a volumetric transformation. Our method performs...

...the two surfaces, we use a precomputed distance map represented using an octree spline whose **resolution** increases near the surface. To quickly and robustly compute the deformation, we use a second...

...Identifiers-- **IMAGES**; REGISTRATION; MODELS; BRAIN

Research Fronts: 94-1847 002 (INVARIANT 3-D OBJECT CURVE MODELS; **IMAGE** CONTOURS; RANGE **DATA** ; INTERACTIVE DESIGN)

94-0256 001 (2ND-ORDER MOTION; STEREO MATCHING PRECEDES DICHOPTIC **MASKING** ; OBSTACLE DETECTION)

94-2395 001 (POSITRON EMISSION TOMOGRAPHY; FUNCTIONAL BRAIN **IMAGES** ; WHOLE-BODY PET **SCANNER**)

94-2674 001 (SHAPE DISTRIBUTIONS; AUTOMATIC 3D INTERSUBJECT REGISTRATION OF MR VOLUMETRIC **DATA** ; FUNCTIONAL BRAIN **IMAGES**)

94-2928 001 (OFF-LINE HANDWRITTEN **TEXT** ; INTRA-IRRADIATION MULTIMODAL **IMAGE** . REGISTRATION; EUCLIDEAN DISTANCE TRANSFORM)

94-3098 001 (MULTIGRID ALGORITHMS; MULTILEVEL ADAPTIVE ITERATIVE METHOD; FULL NONLINEAR...

23/3,K/8 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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00240091 JICST ACCESSION NUMBER: 86A0256213 FILE SEGMENT: JICST-E

High picture quality Auto- Scan TV receiver model PC-TV451.

SUNADA KOUICHI (1); ITOH TAKAFUMI (1); TERAMATSU HIDEKI (1); MORIMOTO KOUZABUROH (1)

(1) NEC Home Electronics Ltd.

NEC Giho(NEC Technical Journal), 1986, VOL.39,NO.4, PAGE.24-35, FIG.16, TBL.1, REF.1

JOURNAL NUMBER: G0475BAB ISSN NO: 0285-4139

UNIVERSAL DECIMAL CLASSIFICATION: 621.397.62

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

High picture quality Auto- Scan TV receiver model PC-TV451.

ABSTRACT: PC-TV451 is a 15-inch display television incorporating an Auto **Scan** system. This system automatically responds to any of the sets 3 modes, which have a horizontal **scanning** frequency of 15kHz(15-17kHz), 24kHz(22-26kHz), and 31kHz(29kHz-34kHz). This set can...

...not only as a television receiver and video monitor but also for displaying personal computer **data** and New Media peripherals. It is equipped with an 8 pin digital RGB input terminal...

...with New Media equipment such as Teletext and CAPTAIN. We have also incorporated a high **resolution** 15-inch SF, shadow **mask** CRT (**mask** pitch 0.31mm, dot system). As a result, a **resolution** of 4050 **character** display has been achieved when displaying personal computers, and a high contrast in TV and...

...with the latest technology a broad-band video circuit has been developed producing a horizontal **resolution** of 600 TV lines at the video input. (author abst.)

...DESCRIPTORS: **picture** tube...

... scanner ;
...BROADER DESCRIPTORS: picture signal...

... picture communication

23/3,K/9 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
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01056531 E96120865246

Bilder bearbeiten wie ein Profi. Wie Sie Grafiken aendern, konvertieren und drucken

(**Imageprocessing** like a professional. **Graphics** change, convert and print)

anonym

PC Welt, v37, n1, pp140-147,150-158, 1997

Document type: journal article Language: German

Record type: Abstract

ISSN: 0175-0496

(**Imageprocessing** like a professional. **Graphics** change, convert and print)

ABSTRACT:

Der Beitrag enthaelt 34 Tips zur Bildbearbeitung mit folgenden Themen: Bildteile auswaehlen, **Maskenauswahl** bearbeiten, Bildteile verschieben und duplizieren, Farbgestaltung veraendern, Aufloesung verkleinern, Gammakorrektur, Bilder mit Schriften als Textblock einfuegen, **Text** mit Schatten versehen, Farbreduktion, Fotomontage, Datenaustauschformat, Farbtiefe, Datenkompression, Bilddateien elektronisch versenden, Dateien konvertieren, Bildaufloesung, Bildpraesentation als Dia oder Overhead-Folie, aufbuegelbare Folie herstellen, Tassen verzieren, **Photo**-CD herstellen, Nutzung von Bildquellen aus dem Internet und bei Compuserve. Die Tips gelten fuer...

DESCRIPTORS: **IMAGE RESOLUTION** ; **IMAGE CODING**; **IMAGE ELEMENTS**;
COMPUTERISED **PICTURE PROCESSING**; **IMAGE ENHANCEMENT**; **IMAGE QUALITY**;
IMAGE CONTRAST; COLOUR **PICTURES** ; COLOUR TINT; **DATA COMPRESSION**; GRAY
LEVEL; **DATA FORMAT**; DIAPOSITIVE; MICROCOMPUTERS; STORAGE CAPABILITIES;
PLASTICS FOILS

23/3,K/10 (Item 1 from file: 248)
DIALOG(R)File 248:PIRA
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00154030 Pira Acc. Num.: 7321859 Pira Abstract Numbers: 02-87-00357

Title: PROGRESS BY DESIGN

Authors: Midgley D

Source: Print. World vol. 216, no. 21, 19 Nov. 1986, p. 20

ISSN: 0032-8715

Publication Year: 1986

Document Type: Journal Article

Language: English

...Abstract: part of the the Dutch company Claessens International has developed a computer system on which **graphic** designs can be prepared at the console with real-time feedback. Crosfield Electronics, Hemel Hempstead

has been given worldwide distribution rights to the **printing** industry. Crosfield claim that, using Aesthede's vector-to-raster converter, high **resolution** raster **data** can be generated. The system gives a powerful line work or creative capacity while Crosfield's Pro-Edit is more suitable for **image** and **text** work. Prices are similar for similar configurations. There are 60 installations worldwide with 10 in...

... ready line illustrations and magic marker roughs. Other outputs will produce 35mm slides and film **masks**. In the page make-up field, the system can be used to design front covers...

...Descriptors: **DATA** ; ...

...FILM - **PHOTOGRAPHIC** ; ...

... **GRAPHIC** ; ...

... **IMAGE** ; ...

... **MASK** ; ...

... **PRINTING** ; ...

... **RESOLUTION** ; ...

... **TEXT** ;

Section Headings: Typesetting and **word** processing (2210)

?

34/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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5208609 INSPEC Abstract Number: B9604-6140C-348, C9604-1250-182

Title: Learning texture discrimination masks

Author(s): Jain, A.K.; Karu, K.

Author Affiliation: Dept. of Comput. Sci., Michigan State Univ., East Lansing, MI, USA

Journal: IEEE Transactions on Pattern Analysis and Machine Intelligence
vol.18, no.2 p.195-205

Publisher: IEEE Comput. Soc,

Publication Date: Feb. 1996 Country of Publication: USA

CODEN: ITPIDJ ISSN: 0162-8828

SICI: 0162-8828(199602)18:2L:195:LTDM;1-7

Material Identity Number: I317-96002

U.S. Copyright Clearance Center Code: 0162-8828/96/\$05.00

Language: English

Subfile: B C

Copyright 1996, IEE

Title: Learning texture discrimination masks

...Abstract: texture classification experiments. It is successfully applied in the tasks of locating barcodes in the **images** and **segmenting** a **printed page** into **text**, **graphics**, and background. Compared with the traditional multichannel filtering method, the neural network approach allows one...

...Descriptors: **image** classification...

... **image** segmentation...

... **image** texture

...Identifiers: texture discrimination **masks** ; ...

... **text** ; ...

... **graphics** ;

34/3,K/2 (Item 1 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

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01029468 E96091221243

Page segmentation for document image analysis using a neural network

(Abtrennung von **Text** -Teilen (Segmentierung) in Dokumenten bei der Bildanalyse mit Hilfe eines neuronalen Netzwerkes)

Patel, D

Univ. of London, GB

Optical Engineering, v35, n7, pp1854-1861, 1996

Document type: journal article Language: English

Record type: Abstract

ISSN: 0892-3286

Page segmentation for document image analysis using a neural network

(Abtrennung von **Text** -Teilen (Segmentierung) in Dokumenten bei der Bildanalyse mit Hilfe eines neuronalen Netzwerkes)

ABSTRACT:

In this paper a method is presented for **segmenting** document **page images** into **text** and nontext regions. The underlying assumption made by this approach is that the two regions...

...document format was used. A convolution-based method is used to generate the texture feature **images**. The coefficients of the convolution **masks** are obtained using a single-layer artificial neural network that generates eigenvectors of the correlation matrix of the input data. The coefficients of these **masks** have been 'learned' from examples of the document **images** and have a potential of being considerably more powerful than **masks** with preset coefficients. A thresholding scheme based on a measure of entropy is used to segment the feature **images** into the homogeneous regions.

DESCRIPTORS: **IMAGE** SEGMENTATION; COMPUTERISED **PICTURE** PROCESSING; DOCUMENT; MESSAGE PROCESSING; PAPERS; PRESSWORKING...

... **PRINTING** ; BULLETIN; PUBLICATION; **TEXT** COMMUNICATION; **GRAPHIC** PRESENTATION; **IMAGE** ANALYSIS; **IMAGE** RECOGNITION; LIBRARIES; LITERATURE; BIBLIOGRAPHY; DRAWING...

...SKETCH; ENGINEERING DRAWINGS; **IMAGE** SCANNERS; OCR...

...OPTICAL **CHARACTER** RECOGNITION; FEATURE RECOGNITION; PARALLEL PROCESSING; ARTIFICIAL NEURAL NETWORKS

?

38/3,K/1 (Item 1 from file: 248)
DIALOG(R) File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00662276 Pira Acc. Num.: 20249365

Title: Gravure advances at Drupa: new gravure systems shown at Drupa 2004
Authors: Tribute A
Source: Seybold Rep. - Anal. Publ. Technol. vol. 4, no. 5, 9 June 2004,
pp 10-12
ISSN: 1533-9211
Publication Year: 2004
Document Type: Journal Article
Language: English

Abstract: A number of innovations in gravure **printing** were shown at Drupa 2004, including a series of cylinder preparation technologies. Exhibitors showed a...

... Think Laboratories' Laserstream FX system both use a Creo SquareSpot imaging head to expose a **mask** on the cylinder. The **high resolution** of the imaging head gives a significantly higher quality in areas of line work and **text** than is possible with diamond engraving. The Exactus and Laserstream systems use different thermal resists...

...Descriptors: GRAVURE **PRINTING** ;

38/3,K/2 (Item 2 from file: 248)
DIALOG(R) File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00629104 Pira Acc. Num.: 20221763

Title: Developments in coding and marking
Authors: Anon
Source: Int. Bottler Packer vol. 76, no. 11, Nov. 2002, pp 53-58
ISSN: 0020-6199
Publication Year: 2002
Document Type: Journal Article
Language: English

...Abstract: in coding and marking equipment for the beverages packaging industry are reviewed, focusing on: Linx **Printing** Technologies Plc's ink jet and laser coding/marking technologies, Imaje UK Ltd's move...

... AllenScribe Laser Coder, ideally suitable for a wide range of coding/marking applications and offering **print** standards unmatched by matrix laser coders and easily installed on the production line, Domino UK ...

... s range of solutions for improving the efficiency of production lines, Alltec GmbH's laser **mask** systems for coding labels on the glue pallet and container table, plastic and glass bottles, cans, cardboard containers and trays, LogoPak International Ltd's new 915PLII and 920PLII **printing** and label applicating equipment incorporating new leading round-edge SFP technology **print** -head and drivers as supplied to J Sainsbury, and Alpha Dot Limited's new generation of **high resolution** ink jet **printers**, including the Merlin 170 all in one system for **printing text** and time codes at up to 300dpi in three different **character** heights.

38/3,K/3 (Item 3 from file: 248)
DIALOG(R) File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00458130 Pira Acc. Num.: 20061641

Title: Linotype-Hell with a thick package of new products
Authors: Nicolay K-P
Source: DruckInd. vol. 26, no. 13, 9 July 1996, pp 11-15, 17
ISSN: 0046-0737
Publication Year: 1996
Document Type: Journal Article
Language: German

...Abstract: developed products are described. They include improvements to the Topaz family of flatbed scanners, and **high resolution** colour CCDs from Kodak; improved DaVinci software, which now includes a **text** editor, soft **masks** and special colours, the new DaVinci Sprint workstation, with imaging software on a standard Silicon...

...new LinoServer Pentium-based generation; Delta technology expansions and the Signasetter imager for eight-page **printing** plates.

Section Headings: **Text** Processing (8210)

38/3,K/4 (Item 4 from file: 248)
DIALOG(R) File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00215860 Pira Acc. Num.: 9630090 Pira Abstract Numbers: 03-91-00386

Title: DANAPAK EXTENDS PURUP INSTALLATIONS
Authors: Anon
Source: In-Pak vol. 11, no. 3, 30 Mar. 1990, p. 23
ISSN: 0106-9403
Publication Year: 1990
Document Type: Journal Article
Language: Danish

...Abstract: electronic prepress system from Purup Electronics A/S of Denmark. All type for packaging including **text**, pictures, graphics, line codes, **mask** films etc. is produced by the system, stored in diskettes and sent to a central...

... job is exposed in a laser typesetter which produces plate ready, colour separated film in **high resolution**. Another Purup system has since been installed at Danapak's factory at Slagelse. It includes...

...Descriptors: **MASK** ; ...

... **TEXT** ;

Section Headings: Package **printing** (3753); Company Information (3140)

38/3,K/5 (Item 5 from file: 248)
DIALOG(R) File 248:PIRA
(c) 2004 Pira International. All rts. reserv.

00076473 Pira Acc. Num.: 40606596

Title: HIGH SPEED, LOW-COST CHARACTER PRINTER

Authors: Ebner Peter R
Patent Number: US 4378149
Application Date: 830329
Document Type: Patent
Language: unspecified

Title: HIGH SPEED, LOW-COST CHARACTER PRINTER

Abstract: A light-weight **print** head having an array of LED light emitting elements positioned adjacent an apertured **mask** is employed to photographically record at very high speeds **characters** having **high resolution** so that they are suitable for phototypesetting. The light transmitting apertures have a cross-sectional...

... and since the apertures may be very accurately positioned with respect to each other, high **character** resolutions are obtainable despite misalignment between the **mask** and the array of LEDs. A flat, lightweight, flexible ribbon of conductors is coupled between...

? t40/3,k/all

40/3,K/1 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01170030 ORDER NO: AAD91-22560

HIGH-PRECISION MASKS FOR SUBMICRON LITHOGRAPHY (LITHOGRAPHY)

Author: MALUF, NADIM ILYAS

Degree: PH.D.

Year: 1991

Corporate Source/Institution: STANFORD UNIVERSITY (0212)

Source: VOLUME 52/03-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1632. 212 PAGES

HIGH-PRECISION MASKS FOR SUBMICRON LITHOGRAPHY (LITHOGRAPHY)

As dimensions continue to shrink, **mask** fabrication becomes a critical issue especially for unity magnification lithographic schemes. How well and how inexpensively we can **print** patterns on wafers depends largely on how precisely and how inexpensively we can make **masks**. We review here the **mask** requirements for sub-micron lithography, propose and demonstrate a novel approach for **mask** making and a new structure for proximity x-ray **masks**.

In the fabrication of lithographic **masks**, an electron beam serially scans the pattern pixel elements thereby resulting in some adverse effects

...

...we call "quantum lithography", the edge definition and interior filling steps are separated. The blank **mask** is fabricated as a regular lattice of tiles representing pattern pixel elements in which the...

...separation between adjacent tiles is such that it is less than the resolution of the **imaging** optics. The pattern is then customized by tagging the tiles and removing those tiles using **low resolution** schemes. We describe in this work the principles of quantum lithography and successfully demonstrate the fabrication and the exposure of such **masks**.

We then describe a new structure for x-ray proximity **masks** where the absorber is embedded in the membrane. Such a structure offers enhanced mechanical robustness. These **masks** were fabricated by reactive ion etching trenches in silicon membranes and selectively filling these

trenches...

...elevated temperature. The analytical results were later confirmed by experimentally measuring these distortions on fabricated **masks** using electron beam metrology. Two methods are proposed to reduce and eliminate undesirable distortions. The first consists of adding a buffer layer between the two **mask** components to compensate any existing stresses. The second method uses membranes with a high Young's modulus; conventional x-ray **masks** using diamond membranes were fabricated and exhibited very low distortions.

40/3,K/2 (Item 1 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2004 Pira International. All rts. reserv.

00235264 Pira Acc. Num.: 10087797 Pira Abstract Numbers: 08-91-PU03109

Title: COLOUR CHANGE

Authors: Anon

Source: Lithoweeek vol. 13, no. 34, 28 Aug. 1991, p. 25

ISSN: 0264-732X

Publication Year: 1991

Document Type: Journal Article

Language: English

Abstract: The colour package available from Ventura, which allows PC users to scan in and **print** separations of colour documents and **images**, is described. It consists of Ventura Scan, Ventura Separator, Ventura ColorPro (standalone colour correction and separation tool for unsharp **masking**, undercolour removal and grey component replacement), Ventura PhotoTouch (**image** processing, correction, retouching and **masking** in **low - resolution** format), and Ventura Publisher 4.0 (supports colour TIFF files and offers Pantone colour specification...

...Descriptors: **GRAPHIC** REPRODUCTION...

... **IMAGE** ; ...

... **MASKING** ; ...

... **PRINT** ; ...

...TAGGED **IMAGE** FILE FORMAT

Section Headings: **Graphic** Reproduction (8230); Colour Scanners (8237)

40/3,K/3 (Item 2 from file: 248)

DIALOG(R)File 248:PIRA

(c) 2004 Pira International. All rts. reserv.

00193692 Pira Acc. Num.: 8921709 Pira Abstract Numbers: 02-89-03213

Title: DIGITAL ERASE MASKING IN COLOR ELECTROPHOTOGRAPHY

Authors: Sakai K; Yonenaga K; Shinguryo S; et al

Source: Paper presented at the Third International Congress on advances in non-impact technologies held (24-28 August 1986) in San Francisco, CA, USA, pp 388-397 [Springfield, VA, USA: SPSE Society for Imaging Science and Technology, 587 pp, \$45.00, (655.39) (1788)

Publication Year: 1987

Document Type: Conference Publication

Language: English

Title: DIGITAL ERASE MASKING IN COLOR ELECTROPHOTOGRAPHY

Abstract: A unique hybrid electrophotographic colour method, Digital Erase **Masking** is presented, in which a high resolution main **image** is made with analogue optics, and a **low resolution** unsharp **mask image** is made with digital optics. The analogue method makes **images** with conventional lens optics; the digital method makes **images** comprising various size dots, with high resolution digital optics; and the DEM method makes **images** with conventional lens optics and erases them with **low resolution** digital optics. In experiments, a **mask image** processing unit and a colour copy unit are used, the former comprising an industrial TV camera, **mask image** processor, keyboard, display, floppy disc and **printer**. Tone and colour reproduction are superior to other analogue methods, and sharpness slightly better.

Company Names: SOCIETY OF **PHOTOGRAPHIC** SCIENTISTS AND ENGINEERS

...Descriptors: **IMAGE** ; ...

... **IMAGE** PROCESSING...

... **MASK** ; ...

... **MASKING** ; ...

... **PRINTER** ;

Section Headings: Plateless **printing** (2160)

?

44/3,K/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

4997948 INSPEC Abstract Number: A9515-9480-008, B9508-7710B-054,
C9508-7460-049

Title: Fast Auroral Snapshot Explorer (FAST) packet processing system

Author(s): Shi, J.; Mao, T.; Chesney, J.; Speciale, N.

Author Affiliation: Mission Oper. & Data Syst. Directorate, NASA Goddard
Space Flight Center, Greenbelt, MD, USA

Conference Title: ITC/USA/ '93. International Telemetering Conference.
Vol.29 p.445-59

Publisher: ISA, Research Triangle Park, NC, USA

Publication Date: 1993 Country of Publication: USA 828 pp.

Material Identity Number: XX93-01952

Conference Title: Proceeding of 1993 International Telemetering
Conference (Telemetering-Yesterday, Today and Tomorrow)

Conference Sponsor: Int. Found. Telemetering

Conference Date: 25-28 Oct. 1993 Conference Location: Las Vegas, NV,
USA

Language: English

Subfile: A B C

Copyright 1995, IEE

...Abstract: Space Data Systems (CCSDS) data format (1987), and features
high data processing rates, highly automated **operations**, and **open**
software foundation (OSF)/Motif based **Graphical** User Interface (GUI).

44/3,K/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03578322 INSPEC Abstract Number: C90021604

**Title: Porting applications to the XView toolkit and the OPEN LOOK
graphical user interface**

Author(s): Simpson, N.

Author Affiliation: Sun Microsyst., Mountain View, CA, USA

Conference Title: Proceedings of the Autumn 1989 EUUG Conference p.
219-28

Publisher: Eur. UNIX Syst. User Group, Buntingford, UK

Publication Date: 1989 Country of Publication: UK x+302 pp.

ISBN: 0 9513181 3 6

Conference Sponsor: Eur. UNIX Syst. Users Group

Conference Date: 18-22 Sept. 1989 Conference Location: Vienna, Austria

Language: English

Subfile: C

Abstract: The **OPEN LOOK graphical user interface functional**
specification has evolved over the past two years with the final draft,
Revision 18, becoming...

...Identifiers: **OPEN LOOK graphical user interface functional**
specification

44/3,K/3 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

04481011 E.I. No: EIP96083297353

Title: Phase-root locus and relative stability

Author: Cavicchi, Thomas J.

Source: IEEE Control Systems Magazine v 16 n 4 Aug 1996. p 69-77

Publication Year: 1996

CODEN: ISMAD7 ISSN: 0272-1708

Language: English

Identifiers: Phase root locus; **Open** loop transfer function ;
Graphical tool; Constant phase contours; Contour plotting; Cauchy
principle; Phase margin

44/3,K/4 (Item 2 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

01688089 E.I. Monthly No: EIM8410-076835

Title: CONTROL SYSTEMS DESIGN, STATE VARIABLES APPROACH.

Author: Shah, Dipak C.; Sawan, Mahmoud E.; Tran, Minh T.

Corporate Source: Wichita State Univ, Wichita, Kans, USA

Conference Title: 1984 IEEE Region 5 Conference: Electrical Engineering -
A Century of Serving Society.

Conference Location: Wichita, Kans, USA Conference Date: 19840409

E.I. Conference No.: 04343

Source: IEEE Region 5 Conference 1984. Publ by IEEE, New York, NY, USA.
Available from IEEE Service Cent (Cat n 84CH2001-6), Piscataway, NJ, USA p
124-126

Publication Year: 1984

CODEN: IRCOER

Language: English

Identifiers: COMPENSATOR DESIGN; STATE VARIABLE APPROACH; **CLOSED** -LOOP
TRANSFER **FUNCTION** ; **GRAPHICAL** DESIGN METHODS
?

File 344:Chinese Patents Abs Aug 1985-2004/May
(c) 2004 European Patent Office
File 347:JAPIO Nov 1976-2004/Aug(Updated 041203)
(c) 2004 JPO & JAPIO
File 350:Derwent WPIX 1963-2004/UD,UM &ÜP=200479
(c) 2004 Thomson Derwent

Set	Items	Description
S1	1673823	DOCUMENT?? OR DATA
S2	728735	PRINT??
S3	875187	TEXT OR WORD?? OR CHARACTER??
S4	1807827	IMAG? OR PICTURE?? OR PHOTO OR PHOTOGRAPH?? OR GRAPHIC? OR JPEG OR BITMAP
S5	24479	(SEPERAT? OR DIVID? OR PARTITION? OR SECTION? OR CATEGOR?) AND S3 AND S4
S6	3545	LOW() RESOLUTION?
S7	47062	HIGH() RESOLUTION?
S8	222496	MASK?
S9	268	CANON
S10	0	(OPEN OR CLOSED) (3N) GRAPHICAL (3N) (FUNCTION? OR INSTRUCTION? OR OPERATION??)
S11	271	AU=(MOREAU, J? OR AMARGER, S? OR MOREAU J? OR AMARGER S?)
S12	192445	IC=(B41B? OR G06K?)
S13	198	PAGE(3N) (SEGMENT? OR SEPERAT? OR DIVID? OR PARTITION? OR S- ECTION? OR CATEGOR?) AND S3 AND S4
S14	1	S13 AND S6 AND S7
S15	29	S5 AND S6 AND S7
S16	17	S15 AND PRINT???
S17	0	S16 AND S8
S18	0	S16 AND (S9 OR S11)
S19	16	S16 NOT S14
S20	9	S19 NOT AD=20000329:20041210/PR
S21	4319	S3 AND S7
S22	2590	S4 AND S6
S23	93	S21 AND MASK?
S24	50	S22 AND MASK?
S25	140	S23 OR S24
S26	0	S25 AND GRAPHICAL (3N) (FUNCTION? OR INSTRUCTION? OR OPERATI- ON??)
S27	38	S25 AND PRINT???
S28	4	S27 AND S12
S29	4	S28 NOT S20
S30	235	S3 (3N) S7
S31	1433	S4 (3N) S6
S32	11	S30 AND S31
S33	11	S32 NOT (S28 OR S20)
S34	8	S33 NOT PY=>2001
S35	32	(S30 OR S31) AND S8
S36	12	S35 AND (APPLY? OR USING)
S37	11	S36 NOT (S32 OR S28 OR S20)
S38	9	S37 NOT AD=20000329:20041210/PR

14/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009231691 **Image available**
WPI Acc No: 1992-359111/199244
Related WPI Acc No: 1998-401087
XRPX Acc No: N92-273721

Printer output method in e.g. laser beam printer for computer - dividing
one page of text data into portions corresp. to bands of print
image of page, each portion being serially developed as high density
image

Patent Assignee: CANON KK (CANO)
Inventor: TAKAHASHI H
Number of Countries: 006 Number of Patents: 008
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 510924	A2	19921028	EP 92303575	A	19920422	199244 B
JP 4323058	A	19921112	JP 9192306	A	19910423	199252
EP 510924	A3	19930331	EP 92303575	A	19920422	199350
EP 510924	B1	19980923	EP 92303575	A	19920422	199842
			EP 98200667	A	19920422	
DE 69227062	E	19981029	DE 627062	A	19920422	199849
			EP 92303575	A	19920422	
US 6002848	A	19991214	US 92871738	A	19920421	200005
			US 97951458	A	19971016	
JP 3015133	B2	20000306	JP 9192306	A	19910423	200016
US 6353480	B1	20020305	US 92871738	A	19920421	200224
			US 97951458	A	19971016	
			US 99395928	A	19990914	

Priority Applications (No Type Date): JP 9192306 A 19910423

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 510924	A2	E	15	G06K-015/00	
Designated States (Regional): DE FR GB IT					
JP 4323058	A		8	B41J-005/30	
EP 510924	A3			G06K-015/00	
EP 510924	B1	E		G06K-015/02	Related to application EP 98200667 Related to patent EP 856811
Designated States (Regional): DE FR GB IT					
DE 69227062	E			G06K-015/02	Based on patent EP 510924
US 6002848	A			G06F-015/00	Cont of application US 92871738
JP 3015133	B2		8	B41J-005/30	Previous Publ. patent JP 4323058
US 6353480	B1			G06K-015/00	Cont of application US 92871738 Div ex application US 97951458 Div ex patent US 6002848

... dividing one page of text data into portions corresp. to bands
of print image of page, each portion being serially developed as high
density image

...Abstract (Basic): The output method involves analysing input data to
determine whether the input data is text data or graphic data.
Text data is developed as dot patterns of high resolution and
graphic data as dot patterns of low resolution. The method further
involves smoothing dot patterns of low resolution and outputting
dot patterns at a variable resolution...

...Input data is received in a page description language which includes

text description commands and **graphic** description commands. The commands are analysed to determine whether the input data is **text** data or **graphic** data...

...Title Terms: **TEXT** ;
?

20/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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06722033 **Image available**
AUTOMATIC RE- **PRINTING** MACHINE PLATE METHOD FOR **IMAGE**

PUB. NO.: 2000-307871 [JP 2000307871 A]
PUBLISHED: November 02, 2000 (20001102)
INVENTOR(s): FUJIMAKI MASAKI
APPLICANT(s): SANNICHI INSATSU KK
APPL. NO.: 11-108146 [JP 99108146]
FILED: April 15, 1999 (19990415)

AUTOMATIC RE- **PRINTING** MACHINE PLATE METHOD FOR **IMAGE**

ABSTRACT

PROBLEM TO BE SOLVED: To discriminate a **character** or the like in an **image** , which is not discriminated in a **low - resolution image** (coarse **image**) by means of a conventional thinning **image** through the use of the **low resolution image** which is **JPEG** -compressed as the **low - resolution image** .

SOLUTION: A **printer** 14 is connected to an automatic re- **printing** server 11, with CPU such as a DTP personal computer 13 in a customer or the like, and the coarse **image** (**low resolution image**) obtained by **JPEG** compression in the **printer** 14 is outputted as a high quality **image** . That is, a **high - resolution image** inputted by a scanner 12 or the like is **divided** in two, that is, the **high resolution image** and the **low resolution image** (coarse **image**) when they are preserved in the server 11 in the same way as in the conventional manner. But the **low - resolution image** in this case is the coarse **image** obtained through **JPEG** compression. The **low - resolution image** obtained through **JPEG** compression is one obtained by compressing the original **image** through the use of a **JPEG** system being one of **image** preserving systems.

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20/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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06548739 **Image available**
IMAGE FORMING DEVICE AND ITS METHOD

PUB. NO.: 2000-134468 [JP 2000134468 A]
PUBLISHED: May 12, 2000 (20000512)
INVENTOR(s): MATSUKUBO TAKESHI
OTA KENICHI
APPLICANT(s): CANON INC
APPL. NO.: 10-304569 [JP 98304569]
FILED: October 26, 1998 (19981026)

IMAGE FORMING DEVICE AND ITS METHOD

ABSTRACT

PROBLEM TO BE SOLVED: To obtain an **image** with high quality by separating an area of a **character** /line drawing from an area of a half tone **image** in the case of **printing** a bit map **image** .

SOLUTION: In the case of generating a bit map **image** by a rasterizer 14 receiving an **image** command, attribute map information denoting the attribute of a **character** area or the like corresponding to each pixel of the generated bit map **image** is generated and stored in an attribute map memory 16. An **image** processing **section** 17 refers to the attribute map memory to generate a signal denoting an output with **low resolution** for inside of thick **characters** and for a half tone area and with **high resolution** in other **characters** and the signal is outputted from an **image** forming unit 19.

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20/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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06046263 **Image available**
DEVICE AND METHOD FOR **IMAGE** FORMING, AND **PRINTER**

PUB. NO.: 10-329363 [JP 10329363 A]
PUBLISHED: December 15, 1998 (19981215)
INVENTOR(s): HATTORI TOSHIYUKI
APPLICANT(s): SEIKO EPSON CORP [000236] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-139855 [JP 97139855]
FILED: May 29, 1997 (19970529)

DEVICE AND METHOD FOR **IMAGE** FORMING, AND **PRINTER**
...JAPIO KEYWORD: **Word** Processors)

ABSTRACT

PROBLEM TO BE SOLVED: To form a **high resolution** and high gradation **image** by little memory consumption, by a method wherein it is judged whether the **image** to be drawn is a first kind requiring importance of resolution or a second kind requiring importance of the number of levels of gradation, and bit **images** of the first and second kinds of **images** drawn by first and second renderers are combined with each other...

...SOLUTION: A drawing command is received by a data receiving **section** 3 to be interpreted by a language interpreting **section** 5, thereby judging whether an element **image** is a first kind or a second kind respectively requiring importance of resolution or importance of gradation. The command is transmitted to a first or second intermediate code generating **section** 7A, 7B in accordance with the kind thereof. The first or the second intermediate code generating **section** 7A, 7B converts the element **image** to the first intermediate code 9A having **high resolution** and low gradation or the second intermediate code 9B having **low resolution** and high gradation to be temporarily stored in a memory. Rendering is executed by a first or a second renderer 11A, 11B, the intermediate code is converted to dot **image** data by a first or a second dot pattern generating **section** 13A, 13B, then a logical sum **section** 15 generates final dot **image** data including all of **printing** element pixels.

20/3,K/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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05874037 **Image available**
RECORDER AND RECORDING METHOD

PUB. NO.: 10-157137 [JP 10157137 A]
PUBLISHED: June 16, 1998 (19980616)
INVENTOR(s): FUJITA MIYUKI
INUI TOSHIJI
NAGOSHI SHIGEYASU
AKIYAMA YUJI
UETSUKI MASAYA
KANDA HIDEHIKO
YAMADA AKITOSHI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 08-325704 [JP 96325704]
FILED: December 05, 1996 (19961205)

...JAPIO KEYWORD:Ink Jet **Printers**); R139 (INFORMATION PROCESSING...

... **Word** Processors)

ABSTRACT

PROBLEM TO BE SOLVED: To obtain a recorder and a recording method in which a **high resolution image** and a high quality **image** can be obtained simultaneously even when recording elements, arranged at a **low resolution** pitch, are employed...

...SOLUTION: When one row of pixels is recorded while performing subscanning for recording an **image** at a pixel pitch (q) with regard to a recording head 702 arranged with recording elements 81 at a pitch Kq (K: integer), main scanning is performed while **dividing** into (d) times (d: integer). Number of recording elements 81 to be driven is differentiated for each main scanning thus **divided** and one row of pixels is recorded while being **divided** by (d) on each main scanning line of pixel pitch (q).

20/3,K/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

04583277 **Image available**
HIGH-DENSITY **PRINTING** METHOD OF **PRINTER**

PUB. NO.: 06-255177 [JP 6255177 A]
PUBLISHED: September 13, 1994 (19940913)
INVENTOR(s): KAWAGUCHI HIROMI
SATO KAZUYASU
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)
FUJITSU ISOTEC LTD [491218] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 05-044219 [JP 9344219]
FILED: March 05, 1993 (19930305)

JOURNAL: Section: M, Section No. 1720, Vol. 18, No. 653, Pg. 47,
December 12, 1994 (19941212)

HIGH-DENSITY PRINTING METHOD OF PRINTER

ABSTRACT

PURPOSE: To **print** with **high resolution** without raising the **printing** resolution of a **printer** itself by shifting and **printing** a next path by 1/n pitch to a preceding path in the lateral direction at the **printing** time in the lateral direction...

...CONSTITUTION: An **image** data of **high resolution** is **divided** and transferred to a **low - resolution printer** 3 by (n) times. When the **printer** 3 receives **image** data of n times the resolution, the **printer** thins the data by the amount of the resolution thereof before **printing**, changes lines by 1/n pitch, thereby sequentially conducting **printing** (n) times. At this time, the **printing** direction of a path, namely, lateral direction of the path is shifted every 1/n pitch to that of the precedent path. In other **words**, (n) times the resolution is allowed for the **printer** of **low resolution** only when lines are to be changed. When the **image** data of (n) times the resolution is to be transferred, the **image** data is **divided** to (n) transfer paths and sequentially **printed** while the lines are minutely shifted at the side of the **printer**. Accordingly, **printing** with **high resolution** is achieved.

20/3,K/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

04254377 **Image available**
PRINTER

PUB. NO.: 05-246077 [JP 5246077 A]
PUBLISHED: September 24, 1993 (19930924)
INVENTOR(s): ISHIBASHI SHOZO
YAMADA DAISUKE
HAYASHIDA SATOSHI
MOROI SHIYOUHEI
MIYOSHI NAOHIKO
INOUE YOSHITSUGU
NAKAMURA SATOSHI
APPLICANT(s): RICOH CO LTD [000674] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 04-082771 [JP 9282771]
FILED: March 04, 1992 (19920304)
JOURNAL: Section: M, Section No. 1535, Vol. 17, No. 709, Pg. 42,
December 24, 1993 (19931224)

PRINTER

ABSTRACT

PURPOSE: To achieve high quality **print** by synthesizing data at a prescribed part having **high resolution** fed from a first storage means and data at the part other than the prescribed...

...CONSTITUTION: In **low resolution image** data (160dpi) from a personal computer body, **graphic** data is developed in a second RAM 5 for

low resolution as it is and held therein, and character codes of text data in the image data are held in a code buffer area in a first RAM 9. Upon finishing the receiving of one page of image data, a CPU 23 designates an engine control section 21 for a prescribed resolution (320dpi) of the text data while furthermore sets a PRTC 11 and actuates the engine control section 21.

20/3,K/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

04084152 **Image available**
PICTURE PROCESSING METHOD

PUB. NO.: 05-075852 [JP 5075852 A]
PUBLISHED: March 26, 1993 (19930326)
INVENTOR(s): KAWAMURA NAOTO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 04-016212 [JP 9216212]
FILED: January 31, 1992 (19920131)
JOURNAL: Section: E, Section No. 1405, Vol. 17, No. 404, Pg. 121, July
28, 1993 (19930728)

PICTURE PROCESSING METHOD

ABSTRACT

PURPOSE: To reduce data capacity without degrading the appearance quality of a picture by storing binary picture data with high resolution, storing multilevel picture data with low resolution and selecting either one of each area...

...CONSTITUTION: When the original of an original picture is divided into a half-tone picture area and a character part area, they are designated by discrimination codes and the discrimination codes are stored in a zone memory 41. An analog picture signal read as a time group signal from an input device 40 is converted into...

... bit digital signal, for instance, by an A-D converter 42. As for a halftone picture part, it is stored in an image memory 46A as it is 8-bit constitution with the form of density data. As for a character part, it is binarized and is stored with one-bit constitution in an image memory 46B. By switching a selector by controlling these two kinds of picture data by the output signal of the zone memory 41, they are selectively taken out and are supplied to output devices such as a laser beam printer, etc.

20/3,K/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03263463 **Image available**
IMAGE FORMING DEVICE

PUB. NO.: 02-238963 [JP 2238963 A]
PUBLISHED: September 21, 1990 (19900921)
INVENTOR(s): ANZAI KATSUHIKO

APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 01-057910 [JP 8957910]
FILED: March 13, 1989 (19890313)
JOURNAL: Section: M, Section No. 1058, Vol. 14, No. 563, Pg. 20,
December 14, 1990 (19901214)

IMAGE FORMING DEVICE

...JAPIO CLASS: **Photography** & Cinematography); 44.7 (COMMUNICATION

ABSTRACT

PURPOSE: To perform **imaging** from **low resolution** to **high resolution** with a single machine by providing means for controlling the clock signal frequency according to...

...CONSTITUTION: Upon finish of reception/processing of single page data, a develop control **section** 35 reads out **character** codes from a buffer page, if the configuration of a bit map memory 37 matches to a specific resolution, then the develop control **section** 35 reads out **character** pattern matching to the resolution from a pattern storing **section** 36 and develops the **character** pattern into the bit map memory 37. Upon finish of development of all patterns corresponding to the **character** codes, an output control **section** 38 provides a selection signal to a video signal selection circuit 43 based on the...

... information on a page control table and selects any one output from video signal generating **sections** 40-42 for 240, 300, 400dpi. Then a rotation corresponding to previous resolution is indicated for the rotary control **section** 47 of a polygon mirror at the engine side. **Printing** is started upon achieving to such state where **print** ing can be carried out with specific resolution.

20/3,K/9 (Item 9 from file: 347)

DIALOG(R) File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

02374082 **Image available**
PICTURE FILING DEVICE

PUB. NO.: 62-290982 [JP 62290982 A]
PUBLISHED: December 17, 1987 (19871217)
INVENTOR(s): TAJIMA KAZUAKI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 61-135464 [JP 86135464]
FILED: June 10, 1986 (19860610)
JOURNAL: Section: P, Section No. 709, Vol. 12, No. 180, Pg. 95, May
27, 1988 (19880527)

PICTURE FILING DEVICE

ABSTRACT

PURPOSE: To file a space in which **photographs** and **characters** are mixed by small amount of information and to clearly reproduce by inputting parts in a space that require accuracy at **high resolution** and inputting parts that do not require accuracy at **low resolution**, synthesizing them at the time of file display or **printing**, and outputting to a display device or a **printing** device...

...CONSTITUTION: At first, the parts in a space that require accuracy, that is, **picture** information of **high resolution** are stored in a memory 3 from an inputting device 9 or a filing device 11. Then, the parts that do not require accuracy, that is, the **picture** information of **low resolution** , are stored in a memory 4. The **picture** information in the memory 3 is density converted in a density converting **section** 1 through a multiplexer 7 and stored in a memory 5 at the same resolution with the **picture** information in the memory 4. Finally, the contents of the memory 4 and memory 5 are outputted to a **picture** synthesizing **section** 2, synthesized in the **picture** synthesizing **section** 2, stored in a memory 6, and displayed in a display device 10. Thus, **picture** information of **low resolution** and **high resolution** is synthesized and can be clearly displayed.

?

29/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

016559054 **Image available**
WPI Acc No: 2004-717794/200470
XRPX Acc No: N04-568999

Image enhancement method for inkjet printer , involves applying mask
for low resolution image enhancement, to repeated pixel pattern of
high resolution image , to obtain data to enhance remaining portion of
high resolution image

Patent Assignee: THAKUR K (THAK-I)

Inventor: THAKUR K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040190786	A1	20040930	US 2003395754	A	20030324	200470 B

Priority Applications (No Type Date): US 2003395754 A 20030324

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20040190786 A1 9 G06K-009/40

Image enhancement method for inkjet printer , involves applying mask
for low resolution image enhancement, to repeated pixel pattern of
high resolution image , to obtain data to enhance remaining portion of
high resolution image

Abstract (Basic):

... A mask used for enhancement of low resolution image , is
applied to repeated pixel pattern of a high resolution image , to
obtain image data that is used to enhance the remaining portion of
the high resolution image .

... An INDEPENDENT CLAIM is also included for image enhancement
system...

...For imaging apparatus such as inkjet printer and copier, and
electrophotographic printer and copier, connected to host such as
personal computer (PC) through communication link such as...

...Eliminates the need for changing the size of enhancement mask as the
resolution increases...

...DESCRIPTION OF DRAWING - The figure shows a flowchart explaining the
image enhancement procedure...

Title Terms: IMAGE ;

International Patent Class (Main): G06K-009/40

29/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015780136 **Image available**
WPI Acc No: 2003-842338/200378
XRPX Acc No: N03-673001

Grey scale image halftoning method e.g. for printer , involves

comparing pixels of image with partially clustered aperiodic dither mask having visually pleasing dot configuration, for printing black/white dot

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: STANICH M J; THOMPSON G R; TRESSER C P; WU C W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6597813	B1	20030722	US 99265861	A	19990311	200378 B

Priority Applications (No Type Date): US 99265861 A 19990311

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6597813	B1	12	G06K-009/36	

Grey scale image halftoning method e.g. for printer , involves comparing pixels of image with partially clustered aperiodic dither mask having visually pleasing dot configuration, for printing black/white dot

Abstract (Basic):

... The pixels of the grey scale **image** (10), are compared with respect to a partially clustered aperiodic dither **mask** (13) having partly random and partly deterministic single valued function, for **printing** a black or a white dot. The clustering of pixels is modulated and designed to produce a visually pleasing dot configurations, when constructing the **mask** from lightest to darkest grey levels.

... 1) partially clustered aperiodic dither **mask** generation method
...

...2) **printer** controller...

...4) machine readable medium storing grey scale **image** halftoning program
...

...For halftoning grey scale **image** using dither **mask** for low **resolution printer** and facsimile. Also, for **printers** e.g. laser and xerographic **printers** .

...Prevents undesirable artifacts to generate desirable **mask** for low **resolution** devices. Enables increasing the size of the **mask** , while preserving desired **mask** properties by changing the number of distinct grey levels...

...The figure shows the block diagram of the grey scale **image** halftoning system...

...input grey scale **image** (10...

... **printer** (15...

... **printed** output (16

...Title Terms: **IMAGE** ;

International Patent Class (Main): **G06K-009/36**

...International Patent Class (Additional): **G06K-009/56**

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012052004 **Image available**
WPI Acc No: 1998-468915/199841
XRPX Acc No: N98-365560

Scanning inkjet printer -plotter for printing ultra- high resolution colour text or graphics on e.g. paper, transparent stock or other glossy media - discharge drops while scanning each way across medium, with each step of advance mechanism so that heads print , while scanning each way, respective generally fixed nonzero fraction of total amount of each secondary colour

Patent Assignee: HEWLETT-PACKARD CO (HEWP)

Inventor: SERRA J M

Number of Countries: 025 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 863479	A2	19980909	EP 98301561	A	19980303	199841 B
JP 10244693	A	19980914	JP 9859084	A	19980225	199847
US 6250739	B1	20010626	US 97810747	A	19970304	200138

Priority Applications (No Type Date): US 97810747 A 19970304

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 863479 A2 E 28 G06K-015/10

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI
LT LU LV MC MK NL PT RO SI

JP 10244693 A 22 B41J-002/21

US 6250739 B1 B41J-002/21

Scanning inkjet printer -plotter for printing ultra- high resolution colour text or graphics on e.g. paper, transparent stock or other glossy media...

...while scanning each way across medium, with each step of advance mechanism so that heads print , while scanning each way, respective generally fixed nonzero fraction of total amount of each secondary...

...Abstract (Basic): The printer -plotter includes a control system which alternates one full reciprocation (18,19) of heads, to...

...way across the medium, with each step (42A) of an advance mechanism. Preferably the heads print , while scanning each way, a respective generally fixed nonzero fraction of the total amount of...

...secondary colour (23 plus 24, or 23 plus 25, or 24 plus 25) to be printed .

...

...secondary is essentially the average of two appearances respectively produced by scanning two ways. Various print masks complete each swath in eight passes with four print -medium advances or four passes and two advances, or two and one - in each case printing in every pass...

...essentially consistent and partway between two appearances respectively produced by scanning two ways. Avoids long- print -zone drawbacks associated with full-height-staggered heads

...Title Terms: PRINT ;

...International Patent Class (Main): G06K-015/10

29/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

011549503 **Image available**
WPI Acc No: 1997-525984/199748
Related WPI Acc No: 1988-143920; 1988-144305; 1991-332815
XRPX Acc No: N97-438392

Image processing appts. - codes mask code and stores in mask memory
to be extracted on basis of mask pattern and outputs to predetermined
output appts.

Patent Assignee: CANON KK (CANO)
Inventor: ENOKIDA M; ISHIDA Y; KAWAMURA N; MITA Y
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5680486	A	19971021	US 87102581	A	19870929	199748 B
			US 90501429	A	19900322	
			US 91729366	A	19910712	
			US 9386368	A	19930706	
			US 94236151	A	19940502	

Priority Applications (No Type Date): JP 8714267 A 19870126; JP 86230012 A
19860930

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5680486	A	30	G06K-009/20	Cont of application US 87102581 Cont of application US 90501429 Cont of application US 91729366 Cont of application US 9386368 Cont of patent US 5060280

Image processing appts...

...codes mask code and stores in mask memory to be extracted on basis
of mask pattern and outputs to predetermined output appts.

...Abstract (Basic): The appts. has an image memory which stores
compressed and coded image data. The data includes a first data
representing the image with a low resolution and second data
representing the image with a high resolution. A generating unit
decodes the stored image data to generate low and high resolution
image data. Area data is provided representing a partial area of the
image. The area data including first area data representing the
partial area with the low resolution and second area data
representing the partial area with the high resolution...

...A first processor, a display unit, processes the low resolution
image data in accordance with the low resolution first area data.
A second processor, a printer, processes the high resolution image
data in accordance with the second area data. It prints an image on
the basis of the processed high resolution image data...

...USE/ADVANTAGE - Reduces capacity of mask memory to cut out or
synthesise image.

34/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03924887 **Image available**
CHARACTER RECOGNIZING DEVICE

PUB. NO.: 04-289987 [JP 4289987 A]
PUBLISHED: October 14, 1992 (19921014)
INVENTOR(s): OUCHI YASUSHI
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company
or Corporation), JP (Japan)
APPL. NO.: 03-054468 [JP 9154468]
FILED: March 19, 1991 (19910319)
JOURNAL: Section: P, Section No. 1493, Vol. 17, No. 95, Pg. 32,
February 25, 1993 (19930225)

ABSTRACT

... reciprocation which needs two reciprocations conventionally and to perform the high speed processing by reading **image** data (**low resolution** data) for recognizing the layout by the outward trip of the original scanning and reading...

... character block is extracted). At the backward trip, the binary image data 6 of the **high resolution** for recognizing a **character** are read to the image memory 13 and the character recognition in the character area...

34/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03813791 **Image available**
CHARACTER RECOGNIZING DEVICE

PUB. NO.: 04-178891 [JP 4178891 A]
PUBLISHED: June 25, 1992 (19920625)
INVENTOR(s): OUCHI YASUSHI
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company
or Corporation), JP (Japan)
APPL. NO.: 02-306112 [JP 90306112]
FILED: November 14, 1990 (19901114)
JOURNAL: Section: P, Section No. 1436, Vol. 16, No. 495, Pg. 106,
October 14, 1992 (19921014)

ABSTRACT

PURPOSE: To improve a character recognition speed by inputting **character** recognizing **high resolution** data and layout recognizing **low resolution** data in an **image** memory at the end of each image sensor original retrieval...

34/3,K/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03649272 **Image available**
PICTURE PROCESSING UNIT

PUB. NO.: 04-014372 [JP 4014372 A]
PUBLISHED: January 20, 1992 (19920120)
INVENTOR(s): ISHIZAWA YASUHISA
YAMANASHI YOSHITSUGU
NONOSHITA HIROSHI
CHO KENJIRO
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 02-116966 [JP 90116966]
FILED: May 08, 1990 (19900508)
JOURNAL: Section: E, Section No. 1193, Vol. 16, No. 166, Pg. 105,
April 22, 1992 (19920422)

ABSTRACT

... output with high picture quality and less information quantity by providing a memory storing a **character** graphic picture with **high resolution** and a memory storing a **photographic picture** with **low resolution** and using the two kinds of the pictures while utilizing the features...

34/3,K/4 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO
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01805182 **Image available**

SYSTEM FOR OUTPUTTING PICTURE WITH DIFFERENT RESOLUTION IN MIXTURE

PUB. NO.: 61-019282 [JP 61019282 A]
PUBLISHED: January 28, 1986 (19860128)
INVENTOR(s): KIMURA SHUJI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 59-140229 [JP 84140229]
FILED: July 05, 1984 (19840705)
JOURNAL: Section: E, Section No. 411, Vol. 10, No. 168, Pg. 141, June
14, 1986 (19860614)

ABSTRACT

... memory 10 stores a dot pattern of a character or a graphics only requiring a **high resolution** and a **character** or a **graphics** of a **low resolution** is stored in a low resolution memory 11. Then an H signal BD is inputted...

34/3,K/5 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012572426 **Image available**

WPI Acc No: 1999-378533/199932

XRPX Acc No: N99-283559

Image information recording method - involves recording structurizing memory file, which includes low-resolution character attribute information, when reproducing synthesized image as visualization image

Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JP 11146274 A 19990528 JP 97302827 A 19971105 199932 B

Priority Applications (No Type Date): JP 97302827 A 19971105

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11146274	A		9	H04N-005/278	

...Abstract (Basic): NOVELTY - A low-resolution character attribute information indicates the character attribute of **low - resolution image** data and character data during the synthesizing process. A structurizing memory file, which includes the...
...information, is recorded when reproducing a synthesized image as a visualization image. DETAILED DESCRIPTION - A **high - resolution character** attribute information indicates the **character** attribute of **high - resolution** image data and **character** data during a synthesizing process. INDEPENDENT CLAIMS are also included for the following: an image...

34/3,K/6 (Item 2 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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010135461 **Image available**

WPI Acc No: 1995-036712/199505

XRPX Acc No: N95-028877

Selecting character on high resolution graphics display using low resolution touch screen - zooming display around initial X-Y coordinate values into zoom window, updating X-Y values while pointer is moved to selected character, calculating new centre point and repeating until character is in centre of window

Patent Assignee: HONEYWELL INC (HONEY)

Inventor: KILGORE W B; STAGGS K P

Number of Countries: 017 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9429788	A1	19941222	WO 94US6755	A	19940615	199505 B

Priority Applications (No Type Date): US 9377838 A 19930615

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9429788	A1	E	42	G06F-003/033	

Designated States (National): JP

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Selecting character on high resolution graphics display using low resolution touch screen...

34/3,K/7 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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010081972 **Image available**

WPI Acc No: 1994-349685/199443

XRPX Acc No: N94-274258

Character recognition appts. with low-resolution storage - selects wide

**range image data for characters stored in high resolution memory
w.r.t. narrower range image data for corresp. characters stored in low
resolution memory**

Patent Assignee: CANON KK (CANO)

Inventor: SUGIYAMA M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5361309	A	19941101	US 90575679	A	19900831	199443 B
			US 92882764	A	19920511	
			US 93173861	A	19931223	

Priority Applications (No Type Date): JP 89230415 A 19890907

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5361309	A	6	G06K-009/20	Cont of application US 90575679
				Cont of application US 92882764

**... selects wide range image data for characters stored in high
resolution memory w.r.t. narrower range image data for corresp.
characters stored in low resolution...**

**...Abstract (Basic): The character recognition appts. has a first memory
for storing low - resolution image data expanding already stored
compressed image data. A second memory stores high-resolution data
expanding...**

34/3,K/8 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

009949533 **Image available**

WPI Acc No: 1994-217246/199426

XRPX Acc No: N94-171624

**Modem accessible image database system for on-demand printing - accessing
low or high resolution images and associated text stored on optical
storage media at print centre via telephone lines using modem**

Patent Assignee: MCDONALD B A (MCDO-I)

Inventor: MCDONALD B A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5327265	A	19940705	US 92877219	A	19920501	199426 B

Priority Applications (No Type Date): US 92877219 A 19920501

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5327265	A	5	H04N-001/46	

**... accessing low or high resolution images and associated text
stored on optical storage media at print centre via telephone lines using
modem**

**...Abstract (Basic): a document containing text and colour images involves
transmitting upon request from a customer a low resolution colour
image from a copy centre's optical disc through a telecommunication
processor and over telephone lines...**

...an image frame with the size and position of the frame being correlated with the **low resolution** colour **image** received from the telecommunication processor. The document containing the **text** material with a **high resolution** version of the colour image retrieved from the optical disc is printed in the frame...

...USE/ADVANTAGE - Electronic editing of brochures etc. Transmits compressed data. Transmits only **low resolution image** by modem. Avoids image distortion...

?

38/3,K/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06156743 **Image available**
METHOD FOR WORK ORDERING OF IMAGE AND SYSTEM THEREOF

PUB. NO.: 11-098286 [JP 11098286 A]
PUBLISHED: April 09, 1999 (19990409)
INVENTOR(s): HARA MASASHI
NAKAJIMA NOBUYOSHI
APPLICANT(s): FUJI PHOTO FILM CO LTD
APPL. NO.: 09-255034 [JP 97255034]
FILED: September 19, 1997 (19970919)

ABSTRACT

... to the personal computer of a user in the working order system of an image **using** a network.

SOLUTION: Each image is maintained as the set of **low resolution image** data 5b to be used by a user on a personal computer 1 and high...

... of a server computer. For example, at the time of transferring the program of a **mask** processing to the user; it is so arranged that only a **mask** -processing procedure 6 and low resolution **mask** data 7b are transferred, and high resolution image **mask** data 7a are not transferred. Thus, transmitted amount can be suppressed.

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38/3,K/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

04046088 **Image available**
METHOD FOR GENERATING A BORDER PICTURE

PUB. NO.: 05-037788 [JP 5037788 A]
PUBLISHED: February 12, 1993 (19930212)
INVENTOR(s): KASHIWABARA HIDEAKI
APPLICANT(s): DAINIPPON SCREEN MFG CO LTD [351872] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-210147 [JP 91210147]
FILED: July 26, 1991 (19910726)
JOURNAL: Section: E, Section No. 1386, Vol. 17, No. 331, Pg. 75, June 23, 1993 (19930623)

ABSTRACT

...CONSTITUTION: A **low resolution picture** element forming a border BP is extracted based on a contour **mask** data representing contours C1, C2 of two pattern elements M1, M2. Then each of the **low resolution picture** elements is divided into a high resolution picture element. Then a pair data including the picture data of a picture of two pattern elements in the **low resolution picture** element at the border and a data representing to which of the two pattern elements each high resolution **picture** element in the **low resolution picture** signal belongs is generated. The border is reproduced with high resolution by **using** the pair data to reproduce

the picture of the border.

38/3,K/3 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013772991 **Image available**
WPI Acc No: 2001-257202/200126
XRPX Acc No: N01-183434

Image processing for magnetic resonance angiography, involves applying mask images derived from acquired low resolution image , to high resolution image as bandpass filter to derive filtered high resolution image

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG)
Inventor: VAN VAALS J J
Number of Countries: 027 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200063717	A1	20001026	WO 2000EP3072	A	20000406	200126 B
EP 1090306	A1	20010411	EP 2000926825	A	20000406	200128
			WO 2000EP3072	A	20000406	
US 6426994	B1	20020730	US 2000551005	A	20000418	200254
JP 2002541948	W	20021210	JP 2000612771	A	20000406	200301
			WO 2000EP3072	A	20000406	

Priority Applications (No Type Date): EP 99201249 A 19990420

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200063717	A1	E	25	G01R-033/563	
				Designated States (National): JP	
				Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE	
EP 1090306	A1	E		G01R-033/563	Based on patent WO 200063717
				Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI	
US 6426994	B1			G01R-033/563	
JP 2002541948	W		26	A61B-005/055	Based on patent WO 200063717

Image processing for magnetic resonance angiography, involves applying mask images derived from acquired low resolution image , to high resolution image as bandpass filter to derive filtered high resolution image

Abstract (Basic):

... The method involves acquiring a succession of low resolution images of an examination space (30) for deriving a series of successive mask images. A high resolution image is acquired and the mask images is applied to the high resolution image as a bandpass filter (45) for deriving...

... a) magnetic resonance imaging system for acquiring low resolution images and high resolution images...

...b) X-ray examination apparatus for acquiring low resolution images and high resolution image...

...Reduces image processing time by acquiring high and low resolution images accurately for obtaining filtered high resolution image from

high resolution image...
...Title Terms: **APPLY** ;

38/3,K/4 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

013283779 **Image available**
WPI Acc No: 2000-455714/200040
XRPX Acc No: N00-339738

Photo mask correction apparatus has image processor that forms high resolution image on the top of low resolution image input form the input device, and corrects defect on synthetic image by laser beam

Patent Assignee: NEC CORP (NIDE)
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000162760	A	20000616	JP 98340056	A	19981130	200040 B
JP 3260712	B2	20020225	JP 98340056	A	19981130	200216

Priority Applications (No Type Date): JP 98340056 A 19981130

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000162760	A		9 G03F-001/08	
JP 3260712	B2		9 G03F-001/08	Previous Publ. patent JP 2000162760

Photo mask correction apparatus has image processor that forms high resolution image on the top of low resolution image input form the input device, and corrects defect on synthetic image by laser beam

Abstract (Basic):

... Photo **mask** correction apparatus (10) has an image processor (18) that forms a high resolution image (M1) stored in the memory (14) on top of a **low resolution image** (M2) that is input with the help of ITV camera (16) to form a synthetic...

... For correcting minute defects on photo **mask** surface...

...As a high resolution **image** is formed on **low resolution image** input from light microscope, it is possible to correct the defect with high precision by **using** laser beam. As laser beam is highly focussed, it is possible to correct extremely minute...

...The figure indicates the block diagram of photo **mask** correction apparatus...

... **Low resolution image** (M2

...Title Terms: **MASK** ;

38/3,K/5 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012488574 **Image available**
WPI Acc No: 1999-294682/199925
XRPX Acc No: N99-221259

Image processing method for digital photograph service using network

e.g. internet - involves forwarding content of information process from client to server by giving desired process using program forwarded to low resolution image data

Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF); HARA S (HARA-I); NAKAJIMA N (NAKA-I)

Inventor: HARA S; NAKAJIMA N

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11098286	A	19990409	JP 97255034	A	19970919	199925 B
US 20020038323	A1	20020328	US 98156764	A	19980918	200225
US 6718353	B2	20040406	US 98156764	A	19980918	200425

Priority Applications (No Type Date): JP 97255034 A 19970919

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11098286	A	9	H04N-001/00	
US 20020038323	A1		G09G-005/00	
US 6718353	B2		G06T-015/00	

Image processing method for digital photograph service using network e.g. internet...

...involves forwarding content of information process from client to server by giving desired process using program forwarded to low resolution image data

...Abstract (Basic): NOVELTY - High and low resolution mask data (7a,7b) are used for processing high and low resolution image data (5c,5b) respectively. The procedure for processing using the given mask data is stored in a hard disk (3). The content of information process is forwarded from client to server by giving desired process using program forwarded to low resolution image data. DETAILED DESCRIPTION - The hard disk of server computer stores program for processing depending on...

...the processing purchase order for photograph. (3) Hard disk; (5c,5b) Image data; (7a,7b) Mask data...

38/3,K/6 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012336212 **Image available**

WPI Acc No: 1999-142319/199912

XRPX Acc No: N99-103445

Image sharpening system for image capture and display

Patent Assignee: HEWLETT-PACKARD CO (HEWP)

Inventor: TRETTER D R

Number of Countries: 027 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5867606	A	19990202	US 97909680	A	19970812	199912 B
EP 898244	A2	19990224	EP 98306132	A	19980731	199912
JP 11150669	A	19990602	JP 98226072	A	19980810	199932
EP 898244	B1	20030402	EP 98306132	A	19980731	200325
DE 69812800	E	20030508	DE 612800	A	19980731	200338

Priority Applications (No Type Date): US 97909680 A 19970812

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 5867606 A 18 G06T-005/00

EP 898244 A2 E G06T-005/00

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 11150669 A 16 H04N-005/208

EP 898244 B1 E G06T-005/00

Designated States (Regional): DE FR GB

DE 69812800 E G06T-005/00 Based on patent EP 898244

Abstract (Basic):

... A parameterised Fourier transform generator (14) having a blunt **masking** filter (16) generates sharpened images of predetermined sharpening parameter (λ) from the original image and determines the frequency distribution of each sharpened **image**. **Low resolution image** of the original image is generated by a **low resolution image** generator (12) and its frequency distribution is determined by a discrete Fourier transform generator (13...

...selector (15) determines the sharpened image having a frequency distribution similar to that of the **low resolution image** by comparing the variance of the frequency distribution of the two images for selecting a...

... b) an apparatus **using** computer executable program for sharpening the image...

... **Low resolution image** generator 12

38/3,K/7 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010908278 **Image available**

WPI Acc No: 1996-405229/199641

XRPX Acc No: N96-341414

Video-signal processor using **display device** with wide aspect-ratio of screen - has max. selection output circuit which selects and outputs signal of bigger signal level, from supplied output signals of

video-signal processing circuit and **character signal processing circuit**

Patent Assignee: HITACHI GAZO JOHO SYSTEM KK (HITA-N); HITACHI LTD (HITA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7115588	A	19950502	JP 9433375	A	19940303	199641 B

Priority Applications (No Type Date): JP 93210104 A 19930825

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 7115588 A 17 H04N-005/278

Video-signal processor using **display device** with wide aspect-ratio of screen...

...Abstract (Basic): video signals, e,g, movie software, by wide display devices. Prevents display of video signal **mask** by clearance between **characters** . Inserts **high - resolution character** .

38/3,K/8 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009397591 **Image available**
WPI Acc No: 1993-091065/199311
XRPX Acc No: N93-069599

Forming method of boundary between two image elements decreasing jagged edges - extracting LPW resolution image element having boundary region using contouring mask data of two image element, then dividing low resolution image element to high resolution
Patent Assignee: DAINIPPON SCREEN SEIZO KK (DNIS)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
JP 5037788 A 19930212 JP 91210147 A 19910726 199311 B

Priority Applications (No Type Date): JP 91210147 A 19910726
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 5037788 A 15 H04N-001/41

... **extracting LPW resolution image element having boundary region using contouring mask data of two image element, then dividing low resolution image element to high resolution**
...Title Terms: **MASK** ;

38/3,K/9 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

009073925 **Image available**
WPI Acc No: 1992-201344/199225
XRAM Acc No: C92-091575
XRPX Acc No: N92-152387

High-capacity, inexpensive mask ROM - for program control in information, systems, musical instruments, etc
Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU); SAMSUNG ELECTRONICS CO (SMSU)
Inventor: CHOI J H; SHIN C H; CHOI J; SHIN C
Number of Countries: 007 Number of Patents: 011
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
DE 4140681 A 19920611 DE 4140681 A 19911210 199225 B
GB 2251724 A 19920715 GB 9126272 A 19911210 199229
FR 2670316 A1 19920612 FR 9115067 A 19911205 199232
JP 4291758 A 19921015 JP 91325753 A 19911210 199248
US 5200355 A 19930406 US 91792590 A 19911115 199316
KR 9306981 B 19930724 KR 9020260 A 19901210 199408
KR 9306982 B 19930724 KR 9020261 A 19901210 199408
US 5317534 A 19940531 US 91792590 A 19911115 199421

			US 92981488	A	19921125	
GB 2251724	B	19950503	GB 9126272	A	19911210	199521
IT 1252645	B	19950619	IT 91MI3288	A	19911209	199606
DE 4140681	C2	19960725	DE 4140681	A	19911210	199634

Priority Applications (No Type Date): KR 9020261 A 19901210; KR 9020260 A 19901210

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4140681	A		30	H01L-027/112	
GB 2251724	A		75	H01L-027/112	
FR 2670316	A1		61	G11C-017/08	
JP 4291758	A		18	H01L-027/112	
US 5200355	A		29	H01L-021/70	
US 5317534	A		28	G11C-011/40	Div ex application US 91792590 Div ex patent US 5200355
DE 4140681	C2		32	H01L-027/112	
KR 9306981	B			H01L-027/112	
KR 9306982	B			H01L-027/112	
GB 2251724	B			H01L-027/112	
IT 1252645	B			H01L-000/00	

High-capacity, inexpensive mask ROM...

...Abstract (Basic): Mfr. of a **mask** ROM, comprises: 1) successive deposition of a first conductive layer and a first insulating layer...

...conductivity type, wherein a gate oxide layer is formed on the substrate; 2) forming a **mask** pattern for word lines in an even-numbered or odd-numbered sequence; 3) forming a second insulating layer arranged on the surface and sidewalls of the **mask** pattern and on part of the surface of the first conductive layer; 4) forming a...

...on the substrate surface and etching this until the second insulating layer disposed on the **mask** pattern is adequately exposed; and 5) successive etching of part of the surface of the second insulating layer and of the first conductive layer, **using** the remaining third insulating layer as a **mask**, so that a pattern is formed of a first conductive layer, wherein each distance corresponds...

...A **mask** ROM is also claimed, with: a) word lines extending in a first transverse direction, and...

...logic for a microprogram in an information processing system, or in electronic musical instruments. The **mask** ROM produced is inexpensive, has a high storage capacity, and gives a good tone quality...

...Abstract (Equivalent): Mfr. of a **mask** ROM, comprises: (1) successive deposition of a first conductive layer and a first insulating layer...

...conductivity type, wherein a gate oxide layer is formed on the substrate; (2) forming a **mask** pattern for word lines in an even-numbered or odd-numbered sequence; (3) forming a second insulating layer arranged on the surface and sidewalls of the **mask** pattern and on part of the surface of the first conductive layer; (4) forming a...

...on the substrate surface and etching this until the second insulating layer disposed on the **mask** pattern is adequately exposed; and (5) successive etching of part of the surface of the second insulating

File 348:EUROPEAN PATENTS 1978-2004/Dec W01

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20041209,UT=20041202

(c) 2004 WIPO/Univentio

Set	Items	Description
S1	841569	DOCUMENT?? OR DATA
S2	223178	PRINT???
S3	506567	TEXT OR WORD?? OR CHARACTER??
S4	610929	IMAG? OR PICTURE?? OR PHOTO OR PHOTOGRAPH?? OR GRAPHIC? OR JPEG OR BITMAP??
S5	1535	(SEPERAT? OR DIVID? OR PARTITION? OR SECTION? OR CATEGOR?)- (3N)S3(5N)S4
S6	7459	LOW()RESOLUTION?
S7	39078	HIGH()RESOLUTION?
S8	108748	MASK?
S9	26	(OPEN OR CLOSED) (3N)GRAPHICAL(3N) (FUNCTION? OR INSTRUCTION? OR OPERATION??)
S10	169	AU=(MOREAU, J? OR AMARGER, S? OR MOREAU J? OR AMARGER S?)
S11	25221	IC=(B41B? OR G06K?)
S12	3884	PAGE(3N) (SEGMENT? OR SEPERAT? OR DIVID? OR PARTITION? OR S- ECTION? OR CATEGOR?)
S13	3	S5(10N)S6(10N)S7
S14	1	S13 NOT AD=20000329:20041210/PR
S15	1	S5 AND S10
S16	1	S15 NOT S14
S17	0	S5(10N)S9
S18	1	S5(S)S9
S19	0	S18 NOT (S15 OR S14)
S20	327	S3(3N)S7
S21	2092	S4(3N)S6
S22	111	S21(5N)S2
S23	14	S22 AND S11
S24	0	S23(S)S12
S25	1	S23(S)S8
S26	1	S25 NOT (S15 OR S14)
S27	81	S3(5N)S4(7N)S12
S28	0	S27(10N)S8
S29	0	S27(10N)S6(S)S7
S30	13	S27 AND S11
S31	13	S30 NOT (S25 OR S15 OR S14)
S32	7	S31 NOT PY=>2001

14/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00975706

**IMAGE PROCESSING METHOD, IMAGE PROCESSING DEVICE, AND DATA RECORDING MEDIUM
BILDVERARBEITUNGSVERFAHREN UND VORRICHTUNG UND DATENAUFZEICHNUNGSMEDIUM
PROCEDE ET DISPOSITIF DE TRAITEMENT D'IMAGE ET SUPPORT D'ENREGISTREMENT DE
DONNEES**

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza Kadoma,
Kadoma-shi, Osaka-fu, 571, (JP), (Applicant designated States: all)

INVENTOR:

KADONO, Shinya, 5-15-11, Seiwadai, Kitaku, Kobe-shi, Hyogo 651-11, (JP)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721)
, Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 971545 A1 000112 (Basic)
WO 9831151 980716

APPLICATION (CC, No, Date): EP 98900183 980109; WO 98JP40 980109

PRIORITY (CC, No, Date): JP 972659 970110

DESIGNATED STATES: DE; ES; FR; GB; IT

INTERNATIONAL PATENT CLASS: H04N-007/34; H04N-007/36

ABSTRACT WORD COUNT: 144

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200002	1529
SPEC A	(English)	200002	18867
Total word count - document A			20396
Total word count - document B			0
Total word count - documents A + B			20396

...SPECIFICATION the first embodiment for coding the difference value between the interpolated image signal and the **high - resolution** image signal is replaced by an encoder 16b for coding a difference between boundaries of the image of the **low - resolution** image signal and the image of the **high - resolution** image signal. The other components are identical to those of the hierarchical **image** coding apparatus 101 of the first embodiment. In other **words**, a **low - resolution** coding **section** 102L in the hierarchical **image** coding apparatus 102 is identical to that of the first embodiment and a **high - resolution** coding section 102H in the hierarchical image coding apparatus 102 differs only in the encoder...

?

16/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
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01335555

Method and device for processing a document available in the form of a set of digital data

Verfahren und Vorrichtung zum Verarbeiten eines Dokumentes der als digitales Datenset zugänglich ist

Procede et appareil pour le traitement d'un document disponible sous la forme d'un ensemble de donnees numeriques

PATENT ASSIGNEE:

Canon Research Centre France S.A., (2159160), rue de la Touche-Lambert,
35517 Cesson-Sevigne Cedex, (FR), (Applicant designated States: all)

INVENTOR:

Moreau, Jean-Jacques , 91b, rue de Dinan, 35000 Rennes, (FR)

Amarger, Stephane , 47b, rue Martial Boudet, 92370 Chaville, (FR)

LEGAL REPRESENTATIVE:

Rinuy, Santarelli (100892), 14, avenue de la Grande Armee, B.P. 237,
75822 Paris Cedex 17, (FR)

PATENT (CC, No, Kind, Date): EP 1139276 A1 011004 (Basic)

APPLICATION (CC, No, Date): EP 2001400762 010323;

PRIORITY (CC, No, Date): FR 003968 000329

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06K-015/02

ABSTRACT WORD COUNT: 77

NOTE:

Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200140	1979
SPEC A	(English)	200140	8125
Total word count - document A			10104
Total word count - document B			0
Total word count - documents A + B			10104

INVENTOR:

Moreau, Jean-Jacques ...

...FR)

Amarger, Stephane ...

...SPECIFICATION whilst the high-resolution processing unit 8' is associated with means 9' of masking the **graphical** instructions in the first **category**. In other words, all the **graphical** instructions are transmitted by the low-resolution processing unit 8 but those which have been...

...CLAIMS mode (E353), and in that it also consists of classifying at least one of said **text** functions in said first **category** and functions representing **images** in bitmap mode in said second category.

5. Method according to Claim 4, characterised in...

?

26/3,K/1 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
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01167239 **Image available**

SENSING DEVICE FOR CODED DATA

DISPOSITIF DE DETECTION POUR DONNEES CODEES

Patent Applicant/Assignee:

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Wales 2041, AU, AU (Residence), AU (Nationality), (For all designated
states except: US)

YOURLO Zhenya Alexander, Silverbrook Research Pty Ltd, 393 Darling
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(Nationality), (For all designated states except: US)

RIDLEY Nicholas Damon, Silverbrook Research Pty Ltd, 393 Darling Street,
Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
(For all designated states except: US)

Patent Applicant/Inventor:

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Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
(Designated only for: US)

LAPSTUN Paul, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain,
New South Wales 2041, AU, AU (Residence), NO (Nationality), (Designated
only for: US)

HENDERSON Peter Charles Boyd, Silverbrook Research Pty Ltd, 393 Darling
Street, Balmain, New South Wales 2041, AU, AU (Residence), AU
(Nationality), (Designated only for: US)

RUSMAN Jan, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain,
New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated
only for: US)

MOINI Alireza, Silverbrook Research Pty Ltd, 393 Darling Street, Balmain,
New South Wales 2041, AU, AU (Residence), AU (Nationality), (Designated
only for: US)

UNDERWOOD Matthew John, Silverbrook Research Pty Ltd, 393 Darling Street,
Balmain, New South Wales 2041, AU, AU (Residence), AU (Nationality),
(Designated only for: US)

Legal Representative:

SILVERBROOK Kia (agent), Silverbrook Research Pty Ltd, 393 Darling
Street, Balmain, New South Wales 2041, AU,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200490798 A1 20041021 (WO 0490798)

Application: WO 2004AU400 20040402 (PCT/WO AU04000400)

Priority Application: AU 2003901617 20030407; AU 2003901795 20030415

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 98184

Fulltext Availability:
Detailed Description

Detailed Description

... on the status of the corresponding form instance, including who published it, when it was **printed** , for whom it was **printed** , and the form status of the form instance.

Since a form hyperlink instance contains a...
...accompanied by a standard graphic indicating successful signature verification.

A duplicate document command produces a **printed** copy of the corresponding document instance with background field values preserved. If the document contains...

?

32/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00546953

Method and apparatus for converting bitmap image documents to editable
coded data using a standard notation to record document recognition
ambiguities

Verfahren und Vorrichtung zur Dokumenterkennung mit Normnotierung für
Mehrdeutigkeitspeicherung

Procede et appareil de reconnaissance de documents avec notation standard
pour stocker des ambiguités

PATENT ASSIGNEE:

XEROX CORPORATION, (219783), Xerox Square, Rochester, New York 14644,
(US), (Proprietor designated states: all)

INVENTOR:

De La Beaujardiere, Jean-Marie R., 867 Garland Drive, Palo Alto,
California 94303, (US)

LEGAL REPRESENTATIVE:

Skone James, Robert Edmund et al (50281), GILL JENNINGS & EVERY Broadgate
House 7 Eldon Street, London EC2M 7LH, (GB)

PATENT (CC, No, Kind, Date): EP 549329 A2 930630 (Basic) .
EP 549329 A3 940420
EP 549329 B1 000315

APPLICATION (CC, No, Date): EP 92311711 921222;

PRIORITY (CC, No, Date): US 814347 911227

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06K-009/20

ABSTRACT WORD COUNT: 128

NOTE:

Figure number on first page: 20

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200011	1067
CLAIMS B	(German)	200011	985
CLAIMS B	(French)	200011	1418
SPEC B	(English)	200011	6978
Total word count - document A			0
Total word count - document B			10448
Total word count - documents A + B			10448

INTERNATIONAL PATENT CLASS: G06K-009/20

...SPECIFICATION bitmaps into structured components, through successive and
recursive interventions of various processes. These processes include:
page segmentation , character recognition, graphics recognition,
logical structure reconstruction, spelling correction, semantic analysis,
etc. All these processes are prone to...

32/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00542509

Image processing

Bildverarbeitung**Traitement d'image****PATENT ASSIGNEE:**

XEROX CORPORATION, (219783), Xerox Square, Rochester, New York 14644,
(US), (applicant designated states: DE;FR;GB)

INVENTOR:

Huttenlocher, Daniel P., 314 Comstock Road, Ithaca, NY 14850, (US)

LEGAL REPRESENTATIVE:

Johnson, Reginald George et al (32372), Rank Xerox Ltd Patent Department
Parkway, Marlow Buckinghamshire SL7 1YL, (GB)

PATENT (CC, No, Kind, Date): EP 526196 A2 930203 (Basic)

EP 526196 A3 940323

EP 526196 B1 980520

APPLICATION (CC, No, Date): EP 92306948 920730;

PRIORITY (CC, No, Date): US 737955 910730

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06K-009/34 ; G06K-009/50 ; G06T-007/60

ABSTRACT WORD COUNT: 254

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9821	354
CLAIMS B	(German)	9821	365
CLAIMS B	(French)	9821	427
SPEC B	(English)	9821	5278
Total word count - document A			0
Total word count - document B			6424
Total word count - documents A + B			6424

INTERNATIONAL PATENT CLASS: G06K-009/34 ...

... G06K-009/50

...SPECIFICATION sizes and spacings, use optical character recognition techniques to identify characters in the document. The **character** and stroke sizes and spacings can be used for **page segmentation** to improve **character** recognition. **Image** processing system 404 might also apply techniques to produce data defining a modified image. For...

32/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00539262

Output method and apparatus employing the same

Ausgabeverfahren und Vorrichtung, die dieses verwendet

Methode de sortie et appareil l'utilisant

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,
Tokyo, (JP), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Takahashi, Hiroharu; c/o Canon Kabushiki Kaisha, 3-30-2, Shimomaruko,
Ohta-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick
Court High Holborn, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 510924 A2 921028 (Basic)

EP 510924 A3 930331
EP 510924 B1 980923
APPLICATION (CC, No, Date): EP 92303575 920422;
PRIORITY (CC, No, Date): JP 9192306 910423
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: G06K-015/02
ABSTRACT WORD COUNT: 82

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9839	596
CLAIMS B	(German)	9839	532
CLAIMS B	(French)	9839	656
SPEC B	(English)	9839	2630
Total word count - document A			0
Total word count - document B			4414
Total word count - documents A + B			4414

INTERNATIONAL PATENT CLASS: G06K-015/02

32/3,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00519366

Method and apparatus for preventing print overruns
Verfahren und Vorrichtung zur Vermeidung von Übergeschwindigkeiten beim
Ausdruck

Methode et dispositif pour eviter les survitesses d'impression

PATENT ASSIGNEE:

Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto,
California 94304, (US), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Cuzzo, Clint S.,, 2589 N. Peregrine Place#, Boise, Idaho 83702, (US)
Berge, Thomas G.,, 5095 Wildrye Drive#, Boise, Idaho 83703, (US)

LEGAL REPRESENTATIVE:

Baillie, Iain Cameron et al (27951), c/o Ladas & Parry Altheimer Eck 2,
80331 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 513775 A2 921119 (Basic)
EP 513775 A3 930428
EP 513775 B1 970102

APPLICATION (CC, No, Date): EP 92108107 920513;
PRIORITY (CC, No, Date): US 701235 910516
DESIGNATED STATES: DE; FR; GB; IT
INTERNATIONAL PATENT CLASS: G06K-015/00
ABSTRACT WORD COUNT: 188

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	682
CLAIMS B	(English)	EPAB97	994
CLAIMS B	(German)	EPAB97	1005
CLAIMS B	(French)	EPAB97	1262
SPEC A	(English)	EPABF1	3283
SPEC B	(English)	EPAB97	3277
Total word count - document A			3965

Total word count - document B 6538
Total word count - documents A + B 10503

INTERNATIONAL PATENT CLASS: G06K-015/00

...ABSTRACT A2

A page printer is described which **divides** each **page** of **text** ,
graphics , etc. into lateral page strips, each having an allocated page
strip rasterization time (PSRT) based...

...SPECIFICATION page per minute print rate.

SUMMARY OF THE INVENTION

A page printer is described which **divides** each **page** of **text** ,
graphics , etc. into lateral page strips, each having an allocated page
strip rasterization time (PSRT) based...

...SPECIFICATION page per minute print rate.

SUMMARY OF THE INVENTION

A page printer is described which **divides** each **page** of **text** ,
graphics , etc. into lateral page strips, each having an allocated page
strip rasterization time PSRT based...

32/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

00362425

Apparatus and method for use in image processing.

Gerat und Verfahren zur Anwendung bei der Bildverarbeitung.

Appareil et methode pour utilisation dans le traitement d'image.

PATENT ASSIGNEE:

Hewlett Packard Ltd, (848070), Nine Mile Ride, Wokingham, Berkshire RG11
3LL, (GB), (applicant designated states: AT;DE;ES;FR;GB;IT)

INVENTOR:

Smith, Raymond Wensley, 17 The Crunnis, Bradley Stoke, Bristol BS12 8AD,
(GB)

Robson, Christopher John, 27 Long Close Downend, Bristol BS16 2UF, (GB)

LEGAL REPRESENTATIVE:

Smith, Norman Ian et al (36041), F.J. CLEVELAND & COMPANY 40-43 Chancery
Lane, London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 385009 A1 900905 (Basic)

APPLICATION (CC, No, Date): EP 89302122 890303;

PRIORITY (CC, No, Date): EP 89302122 890303

DESIGNATED STATES: AT; DE; ES; FR; GB; IT

INTERNATIONAL PATENT CLASS: G06K-009/48 ; G06F-015/62

ABSTRACT WORD COUNT: 103

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1862
SPEC A	(English)	EPABF1	15152
Total word count - document A			17014
Total word count - document B			0
Total word count - documents A + B			17014

INTERNATIONAL PATENT CLASS: G06K-009/48 ...

...ABSTRACT a final classification stage (16) for providing data in an appropriate format representative of the **characters** in the **image** . Also disclosed are a novel edge extractor, a novel **page segmentation** facility and a novel feature extraction facility. ...

32/3,K/6 (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00358788 **Image available**
**CHARACTER RECOGNITION SYSTEM IDENTIFICATION OF SCANNED AND REAL TIME
HANDWRITTEN CHARACTERS
IDENTIFICATION DE SYSTEME DE RECONNAISSANCE DE CARACTERES MANUSCRITS EN
TEMPS REEL ET SCANNES**

Patent Applicant/Assignee:

WANG LABORATORIES INC,

Inventor(s):

KADASHEVICK Julie A,

HARVEY Mary F,

KNOWLTON Kenneth C,

JOURJINE Alexander,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9641302 A1 19961219

Application: WO 96US4151 19960327 (PCT/WO US9604151)

Priority Application: US 95484630 19950607

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 35512

Main International Patent Class: **G06K-009/46**

International Patent Class: **G06K-09:72**

Fulltext Availability:

Detailed Description

Detailed Description

... proportion of background space

As described, Scanned Character Image (SCI) 38 may comprise a scanned **image** of a page or a portion of a **page** and **segmentation** may be performed upon an entire Scanned **Character Image** (SCI) 38 or upon a portion of the image data in a Scanned Character Image...

32/3,K/7 (Item 2 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00350212 **Image available**

**COLOR OFFICE PRINTER WITH A HIGH CAPACITY DIGITAL PAGE IMAGE STORE
IMPRIMANTE COULEUR DE BUREAU AYANT UN STOCKAGE D'IMAGE DE PAGE NUMERIQUE
D'UNE GRANDE CAPACITE**

Patent Applicant/Assignee:

EASTMAN KODAK COMPANY,

SILVERBROOK Kia,
Inventor(s):
SILVERBROOK Kia,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9632725 A2 19961017
Application: WO 96US4817 19960410 (PCT/WO US9604817)
Priority Application: AU 952329 19950412; AU 952330 19950412
Designated States:
(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)
US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 29027

International Patent Class: G06K-15:00 ...
Fulltext Availability:
Detailed Description

Detailed Description

... more application programs. There are many application programs in
common use, which fall into several **categories**, such as **page** layout
programs, drawing programs, **word** processing programs, database
programs,
spreadsheet program, CAD programs, **image** processing programs, and so
on, most of which have differing internal representations (native
formats) of...

?

File 9:Business & Industry(R) Jul/1994-2004/Dec 09
 (c) 2004 The Gale Group
 File 15:ABI/Inform(R) 1971-2004/Dec 10
 (c) 2004 ProQuest Info&Learning
 File 16:Gale Group PROMT(R) 1990-2004/Dec 10
 (c) 2004 The Gale Group
 File 20:Dialog Global Reporter 1997-2004/Dec 10
 (c) 2004 The Dialog Corp.
 File 47:Gale Group Magazine DB(TM) 1959-2004/Dec 10
 (c) 2004 The Gale group
 File 75:TGG Management Contents(R) 86-2004/Nov W3
 (c) 2004 The Gale Group
 File 80:TGG Aerospace/Def.Mkts(R) 1982-2004/Dec 10
 (c) 2004 The Gale Group
 File 88:Gale Group Business A.R.T.S. 1976-2004/Dec 08
 (c) 2004 The Gale Group
 File 98:General Sci Abs/Full-Text 1984-2004/Sep
 (c) 2004 The HW Wilson Co.
 File 112:UBM Industry News 1998-2004/Jan 27
 (c) 2004 United Business Media
 File 141:Readers Guide 1983-2004/Sep
 (c) 2004 The HW Wilson Co
 File 148:Gale Group Trade & Industry DB 1976-2004/Dec 10
 (c)2004 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2004/Dec 10
 (c) 2004 The Gale Group
 File 264:DIALOG Defense Newsletters 1989-2004/Dec 09
 (c) 2004 The Dialog Corp.
 File 484:Periodical Abs Plustext 1986-2004/Dec W1
 (c) 2004 ProQuest
 File 553:Wilson Bus. Abs. FullText 1982-2004/Sep
 (c) 2004 The HW Wilson Co
 File 570:Gale Group MARS(R) 1984-2004/Dec 10
 (c) 2004 The Gale Group
 File 608:KR/T Bus.News. 1992-2004/Dec 10
 (c)2004 Knight Ridder/Tribune Bus News
 File 620:EIU:Viewswire 2004/Dec 09
 (c) 2004 Economist Intelligence Unit
 File 613:PR Newswire 1999-2004/Dec 08
 (c) 2004 PR Newswire Association Inc
 File 621:Gale Group New Prod.Annou.(R) 1985-2004/Dec 10
 (c) 2004 The Gale Group
 File 623:Business Week 1985-2004/Dec 08
 (c) 2004 The McGraw-Hill Companies Inc
 File 624:McGraw-Hill Publications 1985-2004/Dec 09
 (c) 2004 McGraw-Hill Co. Inc
 File 634:San Jose Mercury Jun 1985-2004/Dec 08
 (c) 2004 San Jose Mercury News
 File 635:Business Dateline(R) 1985-2004/Dec 10
 (c) 2004 ProQuest Info&Learning
 File 636:Gale Group Newsletter DB(TM) 1987-2004/Dec 10
 (c) 2004 The Gale Group
 File 647:CMP Computer Fulltext 1988-2004/Nov W4
 (c) 2004 CMP Media, LLC
 File 696:DIALOG Telecom. Newsletters 1995-2004/Dec 09
 (c) 2004 The Dialog Corp.
 File 674:Computer News Fulltext 1989-2004/Sep W1
 (c) 2004 IDG Communications

File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 587:Jane's Defense&Aerospace 2004/Nov W4
 (c) 2004 Jane's Information Group

Set	Items	Description
S1	15045802	DOCUMENT?? OR DATA
S2	3942699	PRINT???
S3	7715921	TEXT OR WORD?? OR CHARACTER??
S4	11362192	IMAG? OR PICTURE?? OR PHOTO OR PHOTOGRAPH?? OR GRAPHIC? OR JPEG OR BITMAP??
S5	3883	(SEPERAT? OR DIVID? OR PARTITION? OR SECTION? OR CATEGOR?) - (3N) S3(5N) S4
S6	19056	LOW() RESOLUTION?
S7	265103	HIGH() RESOLUTION?
S8	434486	MASK?
S9	154	(OPEN OR CLOSED) (3N) GRAPHICAL(3N) (FUNCTION? OR INSTRUCTION? OR OPERATION??)
S10	92	AU=(MOREAU, J? OR AMARGER, S? OR MOREAU J? OR AMARGER S?)
S11	0	IC=(B41B? OR G06K?)
S12	61813	PAGE(3N) (SEGMENT? OR SEPERAT? OR DIVID? OR PARTITION? OR S- ECTION? OR CATEGOR?)
S13	4	S5(S) S6(S) S7
S14	3	RD S13 (unique items)
S15	127	S3(5N) S7(10N) S4(3N) S6
S16	0	S15(S) S8
S17	35	S15(S) S2
S18	0	S17(S) S9
S19	0	S17(S) S12
S20	32	S17 NOT PY=>2001
S21	17	RD S20 (unique items)
S22	0	S10 AND S5
S23	13	CANON(S) S5
S24	4	S23(S) S2
S25	4	S24 NOT S21
S26	2	RD S25 (unique items)
S27	0	S15(S) S12
S28	1	S2(S) S9
S29	378	(APPLY? OR USING) (3N) S6(5N) S4
S30	134	(APPLY? OR USING) (3N) S7(3N) S3
S31	0	S29(S) S30
S32	66	(S29 OR S30) (S) S2
S33	0	S32(S) S8
S34	66	S32 NOT (S20 OR S26 OR S28 OR S14)
S35	47	S34 NOT PY=>2001
S36	28	RD S35 (unique items)

14/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1328142 Supplier Number: 01328142 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Futaba Corp.
(Futaba Corp is the world leader in vacuum fluorescent displays, generating
\$324 mil in sales in 1994)
Electronic Buyers News, n 980, p E34+
November 06, 1995
DOCUMENT TYPE: Journal ISSN: 0164-6362 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 602

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...instrument or the device from a distance," Slupek says.

Futaba has two major display design **categories**, including dot- **character** (5x7) and totally reconfigurable dot- **graphic** displays. The dot-character displays are used in Futaba's **low - resolution** product applications such as the automotive and appliance markets, while the graphics displays are used...

...emission display market and any application that demands a thin-packaged, low-weight, low-powered, **high - resolution** display.

The advances in VFD technology have enabled displays to operate at 12 volts compared...

14/3,K/2 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02448140 SUPPLIER NUMBER: 02904093 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SpectraVideo SV-318 and SV-328. (evaluation)
Ahl, David H.
Creative Computing, v9, p16(5)
Sept, 1983
DOCUMENT TYPE: evaluation ISSN: 0097-8140 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 3582 LINE COUNT: 00269

... t find it except n the graphics modes.

There are two graphics modes, low- and **high - resolution**, appropriately enough. **High - resolution** provides 256 x 192 pixels; **low - resolution** has 64 x 48 boxes. In addition, you can use the graphics characters in text mode (40 x 24). While this sounds practically useless, bear in mind that the 52 **graphics characters** effectively **divide** each box into four; thus the usable resolution is more like 80 x 48. Program...

14/3,K/3 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

01070374 CMP ACCESSION NUMBER: EBN19951106S0169

Futaba Corp. (DISPLAYS)
Christopher L. Chaney
ELECTRONIC BUYER'S NEWS, 1995, n 980, PGE30
PUBLICATION DATE: 951106
JOURNAL CODE: EBN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: TOP COMPONENT SUPPLIERS
WORD COUNT: 601

... instrument or the device from a distance," Slupek says.

Futaba has two major display design **categories**, including dot-**character** (57) and totally reconfigurable dot-**graphic** displays. The dot-character displays are used in Futaba's **low - resolution** product applications such as the automotive and appliance markets, while the graphics displays are used...

...emission display market and any application that demands a thin-packaged, low-weight, low-powered, **high - resolution** display.

The advances in VFD technology have enabled displays to operate at 12 volts compared....

?

21/3,K/1 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

07053869 Supplier Number: 58408348 (USE FORMAT 7 FOR FULLTEXT)
Heidelberg user event brings Delta to the fore. (Industry Trend or Event)
The Seybold Report on Publishing Systems, v28, n19, p16
June 30, 1999
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 3075

... transparency capability to Illustrator 6. Previously, the only alternative for placing text or paths on **pictures** and having the **picture** partially show through the **text** was to render it in a program like Photoshop, which required a lot of work and resulted in **low - resolution** edges of the **text**. TransparencyFX enables transparency effects to be created while maintaining the **high - resolution** edge of the **text** or shape.

* PhotoAlbum.com is a Web-based system enabling users to build, manage and **print photo** albums. It uses NT servers to render photos into high- resolution TIFF files. Color-correction...

...automatically controls the placement of images on album pages to achieve the best fit in **printing**. It includes a payment system that handles credit cards and uses E-mail to notify customers about the progress of their jobs. Albums can be **printed** using any NT **printer**.

Lucid Dream Software; www.luciddream.com.

Best builds U.S. distribution

Best Software, the German...

21/3,K/2 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05893591 Supplier Number: 53092701 (USE FORMAT 7 FOR FULLTEXT)
New QMS SC-100 Digital Copier Brings Push-Button Copy Capability to QMS Print Systems.
Business Wire, p0163
Oct 19, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 816

... require pushing just one button. After making selections and pressing the copy key, copies are **printed** on the QMS **print** system at rated speed and on a variety of page sizes. From **low - resolution imaging** and **text** to **high - resolution graphics** and design, the QMS SC-100's variable resolutions deliver the quality you expect from QMS. For scaled **images**, the QMS SC-100 allows users to reduce, enlarge or Auto Zoom their documents. Customers...

21/3,K/3 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

03000300 (USE FORMAT 7 OR 9 FOR FULLTEXT)

KODAK: Kodak launches web-based imaging services

M2 PRESSWIRE

October 02, 1998

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 868

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... high-resolution digital files on compact disc (CD) or hard copy output including digital photographic **prints**, contact **prints** and transparencies. Initially, purchasing images will require interaction with a customer service agent, but secured...

21/3,K/4 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2004 The Gale group. All rts. reserv.

03617963 SUPPLIER NUMBER: 11226195 (USE FORMAT 7 OR 9 FOR FULL TEXT)

How it works: the ins and outs of scalable font technology. (tutorial)

Mendelson, Edward

PC Magazine, v10, n16, p126(1)

Sept 24, 1991

DOCUMENT TYPE: tutorial ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 802 LINE COUNT: 00061

Suppose you need to **print** or display a particular instance of a character (say, a 7-point Times Roman N). The rasterizer in your **printer** (or in software such as Adobe Type Manager) overlays the character outline on top of an imaginary grid that corresponds to the **printer**'s or monitor's pixel grid, and turns on the pixels that fall within the outline to create a character bitmap. Next, after moving the **imaginary** pixel grid slightly until it is aligned with the actual pixel grid, the rasterizer "drops" the **character** onto the page.

The whole process sounds straightforward; on a **high - resolution printer** or typesetter, it is. But **low - resolution** desktop **printers** have too few pixels for the **bitmap** to approximate a close outline. Any pixel fully enclosed by the outline will be turned...

21/3,K/5 (Item 2 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2004 The Gale group. All rts. reserv.

03090043 SUPPLIER NUMBER: 06745125 (USE FORMAT 7 OR 9 FOR FULL TEXT)

GammaFax. (Hardware Review) (one of ten evaluations of facsimile

transmission add-in boards for PCs) (evaluation)

Kendall, Rob

PC Magazine, v7, n12, p190(3)

June 28, 1988

DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 920 LINE COUNT: 00069

... you view any fax format file, zoom in or out on it, and rotate it. **Text** in a **high - resolution** file is very readable on screen, but complex

graphics or **low - resolution text** must be zoomed in on before they become clear. You can also **print** fax format files, which are easy and produce good results but tend to be very slow: it took us 8-1/2 minutes to **print** 1-1/2 pages of text with a logo in high-res mode.
GammaFax's...

21/3,K/6 (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03018633 SUPPLIER NUMBER: 06126506 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Glossary of desktop publishing terms. (glossary)
Burns, Diane; Venit, S.
PC Magazine, v6, n17, p96(2)
Oct 13, 1987
DOCUMENT TYPE: glossary ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 1403 LINE COUNT: 00112

... some systems.

RESOLUTION

The number of dots per inch (dpi) used to represent an alphanumeric **character** or a **graphic image**. **High - resolution images** look smoother and have more dots per inch than do **low - resolution images**. The resolution of **images** displayed on the screen is usually lower than that of the final laser **printout**. Laser **printers** **print** 300 dpi or more, typesetters **print** 1,200 dpi or more.

ROMAN

Upright (nonslanted) text styles,

21/3,K/7 (Item 4 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02431575 SUPPLIER NUMBER: 00511017
Atari Chartmaker.
Halfhill, T.R.
Compute, v5, n12, p330
Dec., 1983
ISSN: 0194-357X LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: Atari computers with at least 16K RAM. It is written in BASIC, and uses the **GRAPHICS** 8 mode to construct **high resolution** graph line charts. It also allows **printing low resolution text** anywhere inside the **GRAPHICS** 8 window. Demonstration printouts and a complete program listing are included.

21/3,K/8 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

04889422 SUPPLIER NUMBER: 21072120
An examination of five statistical software packages for epidemiology.
(Software Review) (Evaluation)
Oster, Robert A.

The American Statistician, v52, n3, p267(14)

August, 1998

DOCUMENT TYPE: Evaluation ISSN: 0003-1305

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 12927 LINE COUNT: 01076

... of a survival analysis), and diagnostic plots for logistic regression. These plots and curves are **low - resolution character** graphs. EPICURE can write the data to an external file; **high - resolution** plots could then be obtained by using another **graphics** package.

8.3 EPILOG PLUS

The statistical **graphics** capabilities of EPILOG PLUS are limited by the number of graphs that can be produced...

...The graphs are of good quality, but are not quite presentation quality using a laser **printer** ; however, presentation-quality graphs may be obtained by using a plotter.

EPILOG PLUS can also...

21/3,K/9 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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08323665 SUPPLIER NUMBER: 17840522 (USE FORMAT 7 OR 9 FOR FULL TEXT)

HP leads effort to develop HTML printing standards. (Microsoft Corp,

Netscape Communications Corp to work with HP on open standard for printing Web pages) (Technology Information) (Brief Article)

Balleisen, Kristin

MacWEEK, v9, n48, p4(1)

Dec 11, 1995

DOCUMENT TYPE: Brief Article

ISSN: 0892-8118

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 224 LINE COUNT: 00021

... than the current standard of printing the entire page; faster and better quality printing of **text** , **photographs** and **graphics** ; and a scheme to correct formatting problems when **printing low - resolution images** on **high - resolution** devices.

Palo Alto, Calif.-based HP is reportedly also talking to commercial service providers America...

21/3,K/10 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

07288544 SUPPLIER NUMBER: 15500753

(USE FORMAT 7 OR 9 FOR FULL TEXT)

New print technologies shrink production cycles. (Direct Marketing: Are We

Ready for the Next Millenium?)

Egol, Len

Direct, v6, n6, pS17(2)

June, 1994

ISSN: 1046-4174

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1381 LINE COUNT: 00109

... the beginning of this decade, customers using computerized publishing systems were limited to transmitting only **text** and **low -**

resolution files over conventional phone lines. Much larger four-color **high - resolution image** files had to be shipped on disks by overnight delivery to printing plants. This was an added expense, slowed down production and limited the **printing** plant's flexibility. But to have sent such heavy concentrations of digital data by modem...

21/3,K/11 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02018652 SUPPLIER NUMBER: 18957706 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IFRA, part II: European newspaper systems, image input and archiving.
(includes related articles on 4-Sight's ADS System 5.0, international news available on PressPoint's network, and newspapers on the Internet)
(Industry Trend or Event)
Tribute, Andrew; Joner, Urban; Rossello, Rosanne; Edwards, Stephen E.
Seybold Report on Publishing Systems, v26, n6, p3(27)
Nov 30, 1996
ISSN: 0736-7260 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 20741 LINE COUNT: 01601

... process and will inform the user if the selected size exceeds the image resolution. The **Image** Status window indicates whether the **images** in the document are ready for **printing** or are being separated. Upon **printing**, the **low - resolution images** in the page layout will be substituted with their **high - resolution** counterparts.

ImageDepot now supports the storage of **text** files along with images. Using ImageRetriever as a sort of editorial front-end system, the ...

21/3,K/12 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01600233 SUPPLIER NUMBER: 13875649 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Speed without sacrifice. (Comparative Analysis: Printer Performance) (Buyer's Guide: High-Res Laser Printers)
Poor, Alfred
PC Sources, v4, n6, p182(2)
June, 1993
ISSN: 1052-6579 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 649 LINE COUNT: 00049

ABSTRACT: Output performance of eight laser **printers** evaluated is compared. Kyocera Electronics Inc's Ecosys FS-1500A is the fastest **printer** in PostScript mode using its 10-ppm **print** engine; test results in PCL mode were similar but with less difference between the **printers**. Distinct performance differences accompany changes in resolution; the Xante is 1.4 times faster in **text printing** in **low resolution** than in **high - resolution** mode. Even a small difference in **graphics printing** speed can translate into a full minute per page, making the choice of a fast **printer** exceedingly important.

21/3,K/13 (Item 3 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01467399 SUPPLIER NUMBER: 11888785 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Seminars '91, part II: information management, color, newspapers. (includes
related articles on book publishers automating, PostScript color
screening, the prepress industry in 1995 and font usage in PostScript)
(Cover Story)**
Seybold Report on Publishing Systems, v20, n15, p3(41)
April 29, 1991
DOCUMENT TYPE: Cover Story ISSN: 0736-7260 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 32643 LINE COUNT: 02553

... enabling Macs to access the same picture database as PCs for
building illustrated and picture- **intensive** publications such as real
estate magazines, car and boat publications, and catalogs. Mac applications
can exchange low- and high- **resolution images** via Quark's DCS
specifications. Low- **resolution images** can be used to build text and
image **pages**. During output, PCN swaps high-res or separated color EPS
files for the low-res images as part of a batch printing **routine**.

Other enhancements have been added, such as the ability to capture
data remotely for inclusion...

21/3,K/14 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01038727 Supplier Number: 40026623 (USE FORMAT 7 FOR FULLTEXT)
PENTA ANNOUNCES SUPPORT TEGRA GRAPHICS
PR Newswire, pN/A
April 14, 1987
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 419

... plain paper as well as on photographic media,"
explained Doug Mintz, Penta's Manager of **Graphics** and Communications
Product Development.

"The Tegra interface complements our existing options for low -
resolution text and **graphics** output to laser **printers**
and the Allied
Linotron 202 and **high - resolution text** and **graphics**
output on laser and
phototypesetters supporting PostScript."

According to Tegra, Inc., the resolution for both **graphics** and type
from the Genesis is 1000 dots per inch on plain paper and 2000...

21/3,K/15 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01036056 Supplier Number: 39998830 (USE FORMAT 7 FOR FULLTEXT)
Fancy Word Version 3 Brings High-Quality Graphics to Microsoft Word

PR Newswire, pN/A
March 18, 1987
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 600

... Toshiba, and compatible dot matrix printers. It also works with Hewlett-Packard and Canon Laser **printers** . To **printers** with **low resolution** native fonts such as the Epson FX80, Fancy **Word** brings the advantage of superior **print** quality by using their **high - resolution graphics** modes. To all **printers** , including those with good quality native fonts such as the Toshiba, Epson LQ1500 and laser...

21/3,K/16 (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01015233 Supplier Number: 39632669 (USE FORMAT 7 FOR FULLTEXT)
Fancy Word Taps Powerful Printing Features of Microsoft Word
PR Newswire, pN/A
Nov 18, 1985
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 392

... Toshiba and compatible dot matrix printers. It also works with Hewlett-Packard and Canon laser **printers** . To **printers** with **low - resolution** native fonts such as the Epson FX80, Fancy **Word** brings the advantage of superior **printing** quality by using their very **high - resolution graphics** modes. To all **printers** including those with good-quality native fonts such as Toshiba, LQ1500 and laser printers, Fancy...

21/3,K/17 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

00631799 CMP ACCESSION NUMBER: EBN19890109S4600
New Products (632)
ELECTRONIC BUYERS' NEWS, 1989, n 632, 50
PUBLICATION DATE: 890109
JOURNAL CODE: EBN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: 632PG50
WORD COUNT: 5053

... available with an optional Graphics Adaptor Processor.
The C.Itoh CI-400/800TX/CX Powerline **printers** come standard with compressed, boldface, slanting, underlining and enlarged **printing** capabilities. The standard character set includes ASCII, international math/scientific, engineering, block **graphics** and line-drawing **characters** .
Business, scientific and industrial **graphics** are **printed** from a

low resolution of 60 72 dpi to a high resolution of 200 288 dpi.
Other options include pedestal and paper basket, quietized cover,
enclosed cabinet...
?

26/3,K/1 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03018288 SUPPLIER NUMBER: 05241965 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Canon IX-12 Image Scanner. (Hardware Review) (one of 32 scanner evaluations in 'Scanners Take Off') (evaluation)
Fersko-Weiss, Henry
PC Magazine, v6, n17, p230(2)
Oct 13, 1987
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 844 LINE COUNT: 00060

...ABSTRACT: straightforward. ReadRight software (\$595) for optical character reading includes a frame menu to scan only **text** in a **section** of a document with **graphics** and **text**. No scanned documents prove to be error-free; some are completely scrambled into random symbols. Trouble is greatest with text from 9-pin dot matrix **printers** in draft mode. Further difficulties are encountered with underlining, lined borders, and fonts not among...

26/3,K/2 (Item 1 from file: 553)
DIALOG(R)File 553:Wilson Bus. Abs. FullText
(c) 2004 The HW Wilson Co. All rts. reserv.

04540136 H.W. WILSON RECORD NUMBER: BWBA01040136 (USE FORMAT 7 FOR FULLTEXT)
Working the floor.
AUGMENTED TITLE: BookExpo America 2001
Tardiff, Jill A
Landrigan, Linda; Niernberger, John
Publishers Weekly v. 248 no19 (May 7 2001) p. 125-215
LANGUAGE: English
WORD COUNT: 76703

(USE FORMAT 7 FOR FULLTEXT)

TEXT:
... Offers text, technical and medical remainders. Booth: 2854.

ADAMS MEDIA CORPORATION
Publishes nonfiction in various **categories**. Featured: A Cup of Comfort by Colleen Sell; Everything series, including Everything Mini and Everything ...manga titles. Booth: 4433.

TOPICS ENTERTAINMENT
Booth: 1762.

TOPPAN INTERNATIONAL GROUP
TIG is an international **printing** and information-processing company offering services in **printing** and software development, translation and co-production projects on illustrated and children's books; subsidiaries...
?

28/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

27199649 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Enterprise Week - Linux update aligns Samba to cut costs.

IT WEEK, p17

January 27, 2003

JOURNAL CODE: WVNU LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 245

...user interface.

Samba is an open-source functional equivalent to Microsoft's Windows file-and- **printer** sharing software. Businesses can save money on Windows licences by replacing Windows file and **print** servers with Linux systems running Samba, and can also make savings on server hardware because...

?

36/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01527256 01-78244

Safeguard your art

Long, Ben

Macworld v14n11 PP: 145-148 Nov 1997

ISSN: 0741-8647 JRNL CODE: MAW

WORD COUNT: 2161

...TEXT: their profits eaten up in legal hassles will generally tread carefully around copyright issues anyway.

Using visible, low-tech watermarking and down-sampling **images** to low **resolution** (which is inevitable when you place **images** on the Web) are both good basic methods for deterring users from pirating images and then **printing** them. However, there's nothing to prevent unscrupulous users from cropping or touching out a...

36/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02147530 Supplier Number: 42789609 (USE FORMAT 7 FOR FULLTEXT)

Miniprinters for smaller van recorders

Frozen and Chilled Foods, p36

March, 1992

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 255

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...or storage units. It uses a touchscreen to provide very detailed data, which can be **printed** either on demand, at fixed time periods or in response to a condition alarm. The **printout** may include **text** and graphics, **using** a **high resolution** Panasonic thermal **printer** from Datac. The Woodley 128 is a compact, lower cost version for smaller sites of up to 128 points, but retains the benefit of a text and graphics **printout**, using an Epson thermal **printer**.

36/3,K/3 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

11726441 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Art online

LESLIE KRAFT-BURKE

ABERDEEN PRESS & JOURNAL (UK), Aberdeen Press and Journal (NO) ed, p10

June 28, 2000

JOURNAL CODE: FABP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 99

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Its offerings include abstracts, landscapes, figures and flowers, produced using traditional processes such as screen- **printing** , etching, woodcut and lithography.

Orders can be placed via a secure server, by phone or...

36/3,K/4 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

04753049 (USE FORMAT 7 OR 9 FOR FULLTEXT)
KODAK: Volume image users will save serious money with this Kodak technology
M2 PRESSWIRE
March 24, 1999
JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 840

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... and then apply saved adjustments to high resolution images for use in pre press; and **print** applications. Completely Kodak colour managed, no other image database solution offers this combination of quality...

36/3,K/5 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

04740147 (USE FORMAT 7 OR 9 FOR FULLTEXT)
High-end Epson printers are here
SECTION TITLE: ADVERTISING
2
CHRISTCHURCH PRESS, p21
March 23, 1999
JOURNAL CODE: WTCP LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 271

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... without compromising print speeds."
The printer driver features Epson's PhotoEnhance 3 software to sharpen **images** and enhance colour. **Low - resolution images** can be downloaded from the Internet and adjusted **using** this software.
Also included is an image-correction function that removes "noise" from digital camera...

36/3,K/6 (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter
(c) 2004 The Dialog Corp. All rts. reserv.

04714708 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Compaq Goes All-In-One With New A900 For Printing, Faxing, Color Copying and Scanning
BUSINESS WIRE
March 22, 1999
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 975

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... A900 makes high-quality scans easy to produce.

Compaq A900 Offers Fast Printing, Laser-Sharp **Text** and **High Resolution**

Using the fastest **printer** technology available in this price category, the Compaq A900 **prints** with laser-sharp text and provides rich vibrant color at a high resolution (up to...

36/3,K/7 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2004 The Gale group. All rts. reserv.

03387371 SUPPLIER NUMBER: 08294084 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Color on the page. (guide to color printers for the Macintosh) (includes related article on video printers, how color printers work, future of color printing, which models are best quality - Part of 'Color: techniques and technologies' series) (buyers guide)

Robinson, Phillip

MacUser, v6, n5, p556(14)

May, 1990

DOCUMENT TYPE: buyers guide ISSN: 0884-0997 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 4391 LINE COUNT: 00333

... G370-10 printers.

The most important factor in text quality turned out to be the **printer** 's resolution (see Figure 6). Because dithering trades resolution for millions of colors, text is sharpest when **printed** in one of the four primaries. As might be expected, the three 300-dpi PostScript **printers** -- Phaser, QMS, and Océ--produced crisp **text**. **High - resolution QuickDraw printers** using Freedom of Press **printed** **text** of equal caliber, but the 180-dpi PaintJets and Sharp JX-730 showed noticeable jaggies...

36/3,K/8 (Item 2 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2004 The Gale group. All rts. reserv.

03088079 SUPPLIER NUMBER: 06706249 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Putting scanners to work for you. (includes a related article on improvements in the accuracy of Optical Character Readers)

O'Malley, Christopher

Personal Computing, v12, n6, p114(6)

June, 1988

ISSN: 0192-5490 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 2770 LINE COUNT: 00209

... as a part of the publication file. At the same time, PageMaker links the original **image** file (at full resolution) to that publication file. (**Using** a **low - resolution** version of the **image** on the screen and in the publication file keeps response times faster and file sizes smaller.) And PageMaker's link to the original image, which it taps whenever you **print** the document, ensures that any changes you might have made to the image since you last **printed** it out

36/3,K/9 (Item 3 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02879123 SUPPLIER NUMBER: 04332553 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Desktop publishing may be the next PC revolution. (electronic publishing)
Pallatto, John
PC Week, v3, p42(2)
Aug 12, 1986
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1374 LINE COUNT: 00113

... s Macintosh. Software packages developed for the Macintosh allowed users to create entire pages with **text** and graphics. Users could **apply** the **high - resolution** graphics capabilities of the Macintosh to create entire pages on screen, move graphics around the page and revise the design before **printing** the finished page on a laser **printer** .

Since January, however, a flurry of publishing-related products have been introduced for the IBM...

36/3,K/10 (Item 4 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02814272 SUPPLIER NUMBER: 00660518 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Business of Words: Scientific: Volkswriter Scientific 1.0.
Stone, M. David
PC Magazine, v5, n4, p195-196
Feb. 25, 1986
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1028 LINE COUNT: 00076

... few word processors that ignores the standard ROM-based text fonts at both screen and **printer** . Instead, it creates its own **text** font by **using** the IBM **high - resolution** graphics on-screen and graphics mode at the **printer** . It's also the first word processor I've seen that offers manual control over...

36/3,K/11 (Item 5 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02809773 SUPPLIER NUMBER: 04145013 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Volkswriter Scientific 1.0. (evaluation)
Stone, M. David
PC Magazine, v5, p195(3)
Feb 25, 1986
DOCUMENT TYPE: evaluation LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1028 LINE COUNT: 00076

... few word processors that ignores the standard ROM-based text fonts at both screen and **printer** . Instead, it creates its own **text** font by **using** the IBM **high - resolution** graphics on-screen and graphics mode at

the **printer** . It's also the first word processor I've seen that offers manual control over...

36/3,K/12 (Item 6 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02797843 SUPPLIER NUMBER: 00659942
Double Hi-Res Characters.
Ono, Kenneth
Nibble, v2, n7, p98-106
February, 1986
ISSN: 0734-3795 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

ABSTRACT: An Apple IIc or IIe with an 80-column card can **print high - resolution characters** using the assembly language program in this article. The characters available include those in the DOS...

36/3,K/13 (Item 7 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

02521231 SUPPLIER NUMBER: 00545500 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Building Financial Models: VENTURE and PLAN 80.
Poor, A.
PC Magazine, v3, n8, p153-162
May 1, 1984
DOCUMENT TYPE: evaluation ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3218 LINE COUNT: 00241

... choose. You can also call up a menu of options that covers the display and **print** formats, recalculating, **printing** the model (on the **printer** or on a disk), and the graphics mode. A PLAN80 **printout** is shown in Figure 2. The graphics mode allows you to create a graphic model of the data **using** standard typed **characters** (not **high - resolution** graphs, unlike some of the newer integrated spreadsheet packages).

The most powerful feature of PLAN80...

36/3,K/14 (Item 1 from file: 112)
DIALOG(R)File 112:UBM Industry News
(c) 2004 United Business Media. All rts. reserv.

01180824 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Accurate applicator
What's new in Industry , p 38
February, 1999
LANGUAGE: English RECORD TYPE: Fulltext DOC. TYPE: Journal
WORD COUNT: 00000036

(USE FORMAT 7 OR 9 FOR FULLTEXT)
TEXT: Apollo 1 **print** and **apply** system from KTP **prints high - resolution text** , graphics and bar codes on to a wide range of labelstocks including the durable materials...

36/3,K/15 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07756448 SUPPLIER NUMBER: 16723304 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Adobe Systems Introduces Color Central 2.5 for the Macintosh/Power
Macintosh.**
Business Wire, p03280032
March 28, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1016 LINE COUNT: 00085

... the server, therefore freeing their machines for other work. Color Central then automatically replaces the **low resolution** working files with the high resolution **images** using the Adobe-developed OPI specification. The Color Central program routes the files to the output...

36/3,K/16 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06775025 SUPPLIER NUMBER: 14809885 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**OPI helps unclog bottleneck for printing high-res images. (Open Prepress
Interface file servers substitute low-resolution files in print queues;
swap to high-resolution when ready for printing)**
Streeter, April
MacWEEK, v7, n48, p44(1)
Dec 13, 1993
ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1344 LINE COUNT: 00104

... 3.0 document from an average of 40 seconds down to an average of 4, using the **low - resolution** sample. Times for transferring similar **images** to a spooler can be reduced from 3 minutes to about 20 seconds, Helios said...

36/3,K/17 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06679403 SUPPLIER NUMBER: 14097035 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**ImageUP prints multiple images, QuickTime frames. (NIQ introduces new
image-printing application) (Product Announcement)**
Guglielmo, Connie
MacWEEK, v7, n31, p40(1)
August 2, 1993
DOCUMENT TYPE: Product Announcement ISSN: 0892-8118 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 483 LINE COUNT: 00037

... image and printer resolution, according to Greg Merriman, NIQ founder.

In addition to full-resolution **images**, users can also **print low - resolution** previews. New York-based Sports Illustrated has been using **ImageUP** for about one month to **print low - resolution** color proofs,

said Phil Jache, the magazine's deputy picture editor.
"We do for-position..."

36/3,K/18 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06669180 SUPPLIER NUMBER: 14028281 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Software upgrading: is it worth it every time? (News Analysis)
Bishop, Philip
MacWEEK, v7, n28, p30(2)
July 12, 1993
ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1742 LINE COUNT: 00152

... proofs, he said, or about four and a half hours of printing using high-resolution **images** vs. about two hours, 15 minutes **using low - resolution images**.

Kuhn & Wittenborn's Astrachan also had a Quark request: a function built into the program...

36/3,K/19 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06432813 SUPPLIER NUMBER: 13689838 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Cooking up the right code. (in-line coding system for pre-printed cartons)
Canadian Packaging, v46, n2, p34(1)
Feb, 1993
ISSN: 0008-4654 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 900 LINE COUNT: 00070

... inch. The printhead uses impulse jet technology, and it has no mechanical valves, thus giving **high - resolution characters** and excellent reliability, observes Mr. Ono.

Using an oil-based and a non-pressurized ink system, the printhead requires no external air...

36/3,K/20 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06152241 SUPPLIER NUMBER: 12679040 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Exotic networks unnecessary for high-end graphics use. (The Bon Marche department-store chain uses Ethernet local area network for graphics systems) (Case Study)
Lawton, George
MacWEEK, v6, n37, p29(1)
Oct 19, 1992
ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 722 LINE COUNT: 00056

... lay out full-resolution images, low-resolution look-alikes are used in XPress. When someone **prints** an XPress page containing images and text, the **print** job is spooled via uShare to one of the SPARCstations, which is

equipped with 2.6 Gbytes of storage space. The file as **printed** from XPress contains instructions defined by the multivendor Open Prepress Interface standard about where to...

36/3,K/21 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02134829 SUPPLIER NUMBER: 20158446 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Heidelberg develops line-based screening. (Company Business and Marketing)
Seybold Report on Publishing Systems, v27, n8, p19(1)
Dec 22, 1997
ISSN: 0736-7260 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 293 LINE COUNT: 00026

... few years.

The question is whether it really will turn out to be easier to **print** than stochastic screening, while offering the advantages of avoiding moir(Theta) and rosettes, and increasing **imaging** speed by **using** a relatively **low resolution**.

We presume that MegaDot technology has another advantage: the ability to operate with more than...

36/3,K/22 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02112568 SUPPLIER NUMBER: 19907964 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Protect your image on the Web. (Maximized Software's Image Guardian software for preventing image theft) (includes related articles on tips and watermarks) (Product Support) (Tutorial)
Strom, David
Windows Sources, v4, n11, p221(2)
Nov, 1997
DOCUMENT TYPE: Tutorial ISSN: 1065-9641 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1244 LINE COUNT: 00098

... display work samples on the Web. This product, however, isn't 100% effective at preventing **image** theft; visitors can still get **low - resolution** versions of your **images**, **using** either a screen-capture utility or a system's built-in **Print Screen** feature.

How It Works So you can understand how this software works, let's...

36/3,K/23 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01632169 SUPPLIER NUMBER: 15012780 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Putting the face into interface. (IBM developing Human Centered Interface; will incorporate speech, handwriting, touch-screen and keyboard input) (Column)
Pedersen, Elinor
MIDRANGE Systems, v6, n24, p39(1)
Dec 28, 1993

DOCUMENT TYPE: Column ISSN: 1041-8237 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1277 LINE COUNT: 00103

... 2-3 spreadsheet uses less memory than a drawing done directly on a computer screen **using character** -based facilities or an image requiring **high resolution** bit-mapping on the **printer** and display. And these use less memory than a moving image, video and microscopic or...

36/3,K/24 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01508303 SUPPLIER NUMBER: 12013946 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Seybold Seminars and Imprinta '92, part 1: RIPs and recorders. (reviews of and key trends at the Feb 18-21, 1992, Seybold Seminars in Boston, MA, and the Feb 19-25, 1992, Imprinta prepress equipment exhibition in Dusseldorf, Germany; raster-image processors and recorders introduced or on display are described company-by-company; trapping and PostScript viewers are discussed)
Seybold Report on Publishing Systems, v21, n12, p10(27)
March 16, 1992
ISSN: 0736-7260 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 22176 LINE COUNT: 01712

... When a page is output, the PS Link RIP receives a page or document with **low - resolution images** from the Macintosh. **Using the low - resolution images** on the Mac improves productivity by speeding **printing** of the PostScript file. The PS Link RIP then requests ImageLink to send the high...

36/3,K/25 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01468051 SUPPLIER NUMBER: 11679702 (USE FORMAT 7 OR 9 FOR FULL TEXT)
CPC, Part II: Quark, Aldus heat up; other new products, future trends. (1991 Seybold Computer Publishing Conference and Exposition)
Seybold Report on Desktop Publishing, v6, n4, p16(12)
Dec 1, 1991
ISSN: 0889-9762 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 9461 LINE COUNT: 00761

... of copies.
* The ability to unlink files. Unlinking is useful as a work-around for **printing** faster proof pages **using the low - resolution** (72-dpi) screen versions of **images** , then relinking the image before going to the imagesetter.
Enhancements, a.k.a. bug fixes...

36/3,K/26 (Item 1 from file: 553)
DIALOG(R)File 553:Wilson Bus.. Abs. FullText
(c) 2004 The HW Wilson Co. All rts. reserv.

04050064 H.W. WILSON RECORD NUMBER: BWBA99050064 (USE FORMAT 7 FOR

FULLTEXT)

Revolution now: digital photography.

Joss, Molly W

Graphic Arts Monthly v. 71 no6 (June 1999 supp Digital design & production)
p. 8-12+

LANGUAGE: English

WORD COUNT: 2527

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

... we did the rough layout shots with a less expensive digital camera. Then we downloaded **low - resolution** versions of the **images** to the client **using** an ISDN line. The client made their comments and kept the low-resolution files for...

...corrections when we did the high-end shoot and then shipped them high-resolution proofs **printed** on an Epson 3000. From start to finish the whole process only took a few...

36/3,K/27 (Item 1 from file: 635)

DIALOG(R)File 635:Business Dateline(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

0585303 95-41305

Adobe Systems introduces Color Central 2.5 for the Macintosh/Power Macintosh

Burke, Barbara

Business Wire (San Francisco, CA, US) s1 p1

PUBL DATE: 950328

WORD COUNT: 932

DATELINE: Boston, MA, US

TEXT:

...like the original when viewed on the monitor. When the document is ready to be **printed** to an output device such as an imagesetter, users **print** directly to the server, therefore freeing their machines for other work. Color Central then automatically replaces the **low resolution** working files with the high resolution **images** **using** the Adobe-developed OPI specification. The Color Central program routes the files to the output...

36/3,K/28 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext

(c) 2004 CMP Media, LLC. All rts. reserv.

00547748 CMP ACCESSION NUMBER: WIN19930501S6106

Foolproof Image Scanning

William Harrel

WINDOWS MAGAZINE, 1993, n 405 , 138

PUBLICATION DATE: 930501

JOURNAL CODE: WIN LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: FEATURES

WORD COUNT: 3486

... gray-scale setting , but the files are much smaller.

Resolution is crucial to quality in **printing** halftones since the different shades in the drawing depend on the dispersement of the dots...

...output, you should scan at a minimum of 300 dpi. If you're displaying the **image** , you won't have much luck at all **using low - resolution** halftone settings for your monitor because the dot patterns are too coarse. You'll get...

?